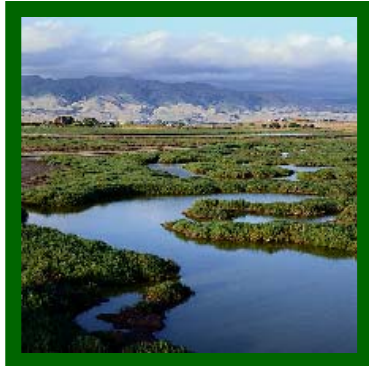


City of San José

Urban Runoff Management Plan

Annual Report 2005-2006



**Santa Clara Valley
Urban Runoff
Pollution Prevention Program**



***City of San José Urban Runoff Management Plan
Annual Report FY 2005-2006***

City of San José

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Annual Report 2005-2006

September 2006

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This report was prepared by the City of San José

Environmental Services Department

Watershed Protection Division

Urban Runoff Program Section

In partnership with:

Environmental Services Department: Watershed Enforcement

Environmental Services Department: Municipal Water

Department of Parks, Recreation, & Neighborhood Services

Department of Planning, Building & Code Enforcement

Department of Public Works

Department of Transportation

General Services Department

San José Redevelopment Agency

Cover Pictures

First Row:

- 1) The wetlands of South San Francisco Bay, with the Diablo Mountain Range to the east.

Second Row:

- 1) Third-grade students performing the experiment "Pollution Soup" at the Water Wizards Festival at the Guadalupe River Park and Gardens
- 2) Pedestrian Bridge over the Guadalupe River in downtown San José. A guide is speaking to participants at a workshop entitled "Development and Water Resources: Making the Connection," a joint effort between the City, the Santa Clara Valley Urban Runoff Pollution Prevention Program, and the Watershed Management Initiative's Land Use Subgroup.

Third Row

- 1) A parking lot paved with porous concrete: a stormwater treatment and hydromodification control measure.
- 2) A Street Sweeping crew from the City's Department of Transportation.
- 3) A storm drain inlet stenciled with the name of the nearest creek and the City's stormwater dumping complaint phone number.

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Executive Summary

The City is required to submit to the Regional Water Quality Control Board (Water Board) an Annual Report that documents the progress of the Urban Runoff Management Plan for the previous fiscal year. The Annual Report is prepared pursuant to provision C.6 of the City's National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharge to the City's storm sewer system.

The Report includes sections for each of the program elements included in the Urban Runoff Management Plan as required in the permit. Each section is comprised of an update on the status of the work plan, an evaluation of various performance elements, responses to Water Board feedback received during the past year, and additional tables or information to demonstrate performance for a program element. Summaries are also provided for the array of outreach activities and municipal training sessions that are included in various program elements.

Most program elements contain requirements that affect more than one City department. The strategy for attaining compliance focuses on three different types of activities that the City conducts:

- 1) Enforcement and monitoring to detect and respond to incidents of illegal discharge to the storm sewer system;
- 2) Structural and business process changes to City operations and services; and
- 3) Education for municipal employees as well as the community at large.

The City also contributes to activities undertaken by the Santa Clara Valley Urban Runoff Pollution Prevention Program (Program) and the Bay Area Stormwater Management Agencies Association (BASMAA); however, this report includes only activities performed by the City. An overview of the year for each program element follows.

Illicit Connection / Illegal Discharge Inspection (ICID)

The City's Environmental Services Department (ESD) responds to complaints regarding illegal discharges or threats of discharge to the storm sewer system. This year, the City responded to more than 792 cases, a slight decrease from last year but well within the five-year average case rate. Residential incidents continue to be most frequent, with vehicle-related sources being most common. Dumping of various materials was also a prevailing source of incidents. ESD responds to all complaints with education and enforcement in partnership to achieve compliance and prevent future incidents. Staff intends to do targeted outreach to four Strong Neighborhood Initiative (SNI) areas that exhibited a high number of residential complaints in FY 06-07 in an effort to educate the residents and reduce the number of complaints.



*Storm drain inlet stenciled with
hotline number and local creek
name*

The City continues to conduct targeted outreach in an effort to reduce the number of ICID calls. In FY 05-06 City staff met with the San Pedro Square Business Association, assisting with the planning and implementation of procedures to stop discharges to the storm drain from surface cleaning and leaking trash compactors.

Industrial & Commercial Discharges (IND)

Under this program element, ESD inspects more than 3,500 businesses per year to ensure that proper practices are employed to prevent stormwater pollution. How frequently a business is inspected depends on their potential for contributing pollutants as determined by previous inspection results. This method of assigning inspection frequencies has been effective in focusing limited inspection resources on high priority cases to best protect water quality. 72% of the businesses inspected are found to have no significant stormwater issues and thus do not warrant near-term re-inspection. When issues are identified, education and enforcement are used together to achieve compliance.

FY 05-06 marked the third time in three years that the City experienced a significant spike in the number of business license applications. The total inventory of facilities in the City that are subject to inspection has doubled over the last three years, representing a significant workload challenge. The City began to integrate this increased workload for the short term by prioritizing and phasing initial inspections and shifting resources. Since this increase in workload is expected to continue in subsequent fiscal years, long-term strategies will be explored to fulfill inspection requirements.

FY 05-06 marked the fourth year of implementation of the comprehensive restaurant inspection program and 1,148 facilities were inspected. Staff also conducted a review of the last three years of data in order to assess how the program is working. Based on the data assessment, the City is establishing a Fats, Oils, and Grease (FOG) Inspection Program. This Program will target food

service facilities and focus specifically on successfully integrating the sanitary sewer management plan (SSMP) requirements and enhancing the business' general awareness of stormwater issues related to food service facilities.



A City inspector explains stormwater Best Management Practices to a downtown restaurateur

Education remains the primary tool for preventing or stopping practices that may pollute stormwater. In FY 05-06, inspectors distributed almost 9,000 Best Management Practices (BMPs) brochures, fact sheets, posters, and other materials as part of the IND program. Generally, inspectors are being very proactive and distributing BMPs to support educational efforts. For example, businesses that did not have any current

stormwater issues were still given BMPs by inspectors to assist the business in their efforts to keep pollution out of the storm drain system.

New and Redevelopment (NRD)

This program element is driven by the New and Redevelopment provision (also referred to as C.3) of the permit, as amended in October 2001 and again most recently in July 2005. This provision requires that development projects implement controls to address pollutant discharges and increased storm flows for the life of a project. The implementation of the new hydromodification management plan (HMP) requirements began on October 18, 2005.

The City continues to make significant strides implementing this challenging program. The City adopted the Post-Construction Hydromodification Management Policy 8-14 (Policy 8-14) on October 18, 2005. The policy requires the management of development-related increases in peak runoff flow, runoff volume and duration (“hydromodification”), where such hydromodification is likely to cause increased erosion, silt pollutant generation or other impacts to beneficial uses of local rivers, streams and creeks. Techniques for managing hydromodification include detention basins and other landscape measures that infiltrate or hold stormwater flows for controlled release. Policy 8-14 supplements stormwater treatment requirements delineated in Policy 6-29 entitled “Post-Construction Urban Runoff Management.”

The City also implemented an expansive training program for both treatment controls and hydromodification to give staff the information and resources needed to effectively guide and review development applications and to design public projects. Among the HMP training highlights were a Green Roof Symposium that focused on green roofs as a stormwater and hydromodification control measure appropriate for small urban infill sites. Additionally City staff from five departments attended both the SCVURPPP and StormCon HMP workshops. Plus, City staff also attended a beta testing demonstration of the Bay Area Hydrology Model (BAHM) software that will greatly simplify the modeling calculations required to comply with the HMP.

The City conducted a pilot inspection program in FY 05-06, and based on those results, revised its Operation and Maintenance Program. The revised program requires inspection of all



Porous-paved parking lot: a structural stormwater control

stormwater treatment and hydromodification measures installed during the first year of operation. Subsequent inspections are based on observed stormwater issues such as improper installation and lack of functionality. This revised program is based on the City’s successful IND inspection program.

The City continues to find that implementation of stormwater and hydromodification controls are easier for undeveloped, “greenfield” sites, such as Coyote Valley (in southern San Jose) because the land requirements for runoff treatment and

hydromodification measures can be factored into the master plan and accommodated early in the development process. Implementing stormwater treatment and hydromodification controls on smaller, infill sites in a developed urban area is much more difficult given limited land area, the high cost of land, and the City's policies that discourage sprawl and encourage increased densities. These policies have an associated water quality benefit as they reduce traffic congestion and the associated air pollution.

The City continues to emphasize site design and source control as the primary tactics for addressing stormwater on a project-by-project basis. The City has also continued to actively participate in efforts to develop analytical tools and outreach on a regional basis. City staff from a variety of departments continues to provide information about stormwater issues and new requirements to the public and the development community.

Construction Inspection (CON)

The City inspects activities at construction sites to prevent sediment and other pollutants from entering the storm sewer system. Inspectors from Public Works and Building review erosion and sediment controls as part of their routine inspections. Environmental Services supplements this effort with limited inspection and broad enforcement follow-up. These departments also collaborate in providing outreach materials and training to the development community on appropriate best management practices.

In FY 05-06, the City again focused on staff training, hosting and coordinating several training sessions for staff involved in construction inspection. Two trainings were held in October 2005 by City staff for Building and Public Works inspectors. Staff has also attended trainings held by



Proper stormdrain protection during construction prevents construction debris and sediment from entering the stormdrain

the Santa Clara Valley Urban Runoff Pollution Prevention Program and the Water Board held in December 2005 for inspectors and construction project managers. An additional training was held in January 2006 by City staff for Public Works capital improvement project managers. These focused trainings help project managers and teams ensure erosion and sediment control measures are included on plans and specifications. Trainings have made inspectors more vigilant in identifying and correcting problems at construction sites. Environmental Services staff plans to conduct frequent, short, focused stormwater BMP trainings for all inspection groups during section meetings throughout FY 06-07 to supplement the main fall annual training.

While inspection efforts are improving, site conditions still show that vigilance is necessary to ensure stormwater issues are addressed. Overall, the need for enforcement increased with 223 verbal warnings, 90 written notices, and 54 administrative citations issued by ESD Watershed Enforcement Inspectors.

Public Streets, Roads, & Highways (PSR)

This program element is pursuant to provision C.2.a of the permit and is one of several that address municipal activities. These program elements essentially consist of best management practices (BMPs) being incorporated into City operations such as street repair. Training plays a key role in ensuring that staff uses the proper techniques during the course of their duties to protect water quality. For FY 05-06, this training was completed in May 2006. Session content centered on review of the Department of Transportation's BMPs and Standard Operating Procedures (SOPs) for O&M activities. Corp Yard Stormwater Pollution Prevention Plan training was integrated into the DOT crew training in FY 05-06. Training content is directed by which work groups are present, and the training curriculum is revised when needed to reflect new practices. On average, 88% of the employees responded that the BMPs taught were appropriate for their work.



*Department of Transportation paving crew
applying their training along with the pavement*

Training was also conducted for Rural Public Works BMPs in accordance with provision C.5, which requires that the City employ proper techniques when conducting maintenance activities in rural areas. This standard is integrated as part of the PSR program element. The City's departments of Parks, Recreation, and Neighborhood Services; General Services; and Transportation are responsible for managing rural public works maintenance and support activities.

The City conducts an extensive Street Sweeping program, involving the sweeping of the central business district; arterials, collectors, and bicycle lanes; and residential streets. Annually, the City sends out a calendar of the street sweeping schedule to each single-family dwelling, and asks neighborhood associations within the City to include reminders in their association newsletters for moving parked vehicles on street sweeping days. The City is continuing to expand the areas in which parking restrictions are required and enforced to improve the effectiveness of the street sweeping program. In FY 05-06, the enforcement area was broadened from 160 to 196 curb miles. The City anticipates expanding the areas in which parking restrictions are required and enforced for street sweeping by approximately 40 curb miles in FY 06-07.

Storm Drain System Operation & Maintenance (SDO)

Storm Drain System Operation and Maintenance is another municipal activity program element implemented in accordance with provision C.2.a of the permit. This program includes key maintenance activities that are conducted to ensure the proper function of the storm sewer system to collect and convey storm runoff. Maintenance staff training was conducted to coincide with that of the PSR program element and was completed in May 2006.

DOT successfully implemented its annual storm drain inlet inspection and cleaning program,



*Department of Transportation Vector crew
cleaning out a storm drain inlet*

cleaning approximately 28,500 inlets. To date, the City has been able to achieve the more comprehensive Tier 2 level of inlet cleaning performance. Due to budget constraints anticipated for FY 06-07, a modified implementation of Tier 2 may be needed. Evaluation of the data collected during inlet cleaning indicates that approximately six percent of the City's storm drain inlets and catch basins had a problem associated with them. The key problems for stormwater protection were cars parked on catch basins; high debris (leaves, lawn clippings, dirt and other natural materials); excessive garbage (paper, bottles, cans, and other man-made waste); and pollution (concrete, antifreeze, oil, paint, etc. that appear to have been

intentionally dumped into the inlet or catch basin). Maintenance staff is directed to contact Environmental Enforcement when pollution is identified. Using this information, the City directs resources to known problem areas.

Water Utilities Operations & Maintenance (WUOM)

This program element addresses a municipal activity and is implemented in accordance with provision C.2.a. The program addresses operation and maintenance activities at the City's Municipal Water system. The key tools for implementing this program are the Water Utility Pollution Prevention Plan and staff training to ensure that proper techniques are employed during maintenance activities. The City's training program includes the annual development of a video demonstrating the implementation of BMPs for a specific work function. This year's hydrant-flushing program was the focus of annual evaluation of SOPs and the review found that no changes in the current practice are needed.



Pumps at the Rincon II Pump Station

An inventory of potential water utility discharges must be conducted every three years and included in the Annual Report, as required by the Water Utility Operations & Maintenance Discharge Performance Standard. This inventory is to be performed in each service zone (North San Jose, Evergreen, Edenvale, Coyote, and South Bay Water Recycling), by Municipal Water staff. Municipal Water staff conducted the inventory in March 2006 for all service zones. The findings revealed that current SOPs and BMPs, which are successfully being implemented to reduce and eliminate pollutant discharges to receiving waters, are effective and no changes are needed.

Pesticide Management (PM)

This program element is required pursuant to provision C.9.d. of the permit. The purpose of the Pesticide Management program is to reduce the amount of pesticides in stormwater and landscape runoff. Activities include setting municipal policy, implementing proper techniques when selecting and applying pesticides on City property, staff training, public education, and City participation in regional efforts to influence regulations that affect pesticide management. In 2003, the Council adopted an Integrated Pest Management (IPM) Policy, which calls for municipal operations to incorporate IPM techniques and to reduce, phase-out, and ultimately eliminate the use of pesticides that cause impairment of surface waters.

The City has incorporated the use of IPM techniques for many years. Pesticide use on City property is based upon specific site needs. The decision to use a pesticide is determined by several factors, i.e., site evaluation, accurate identification of the pest, past history, monitoring of thresholds, review of alternative means of control, and selection of the most favorable and effective pesticide. The City also seeks to reduce the need for pesticide usage through alternate actions such as mulching, weed barriers, proper irrigation, and selection of disease resistant plants. In many instances, plant diseases and pest problems are tolerated rather than employing any pesticides. When pesticide use is necessary, the City strives to use products that are less toxic and safer for employees.

In FY 05-06, the City continued data collection and tracking of pesticide applications on City property. While improvements have been made, some data remains incomplete for Facilities and



Tussock Moth infestation on an oak tree at Williams Street Park

Special Districts. City staff will continue to work with contractors in FY 06-07 to resolve outstanding reporting and data collection issues. Comparative data was reviewed for City staff applications and golf courses. In general, City use of the two most common herbicides (Roundup and Pendulum) decreased despite an increase in total acreage managed. The use of Surflan and Gallery increased, in some cases replacing Pendulum and reducing the need for repeat applications. The use of Karmex decreased substantially in response to concerns about its impact on water quality. The pesticide Drive, containing an active ingredient deemed less toxic to the environment was tested by City staff and found to yield better results in lesser amounts than other products.

City staff continues to use ongoing and new methods to resolve municipal pest problems with less toxic and non-chemical integrated pest management techniques. PRNS continues to effectively use mulch to alleviate the need for pre-emergent herbicides and reduce water use. PRNS experienced success using biological controls such as wasps to address oak and tussock moths at test locations. The City Arborist has adopted the practice of offering IPM solutions to the callers regarding maintenance of street trees. Also, the arborist is encouraging the use of a disease resistant hybrid palm tree in new Public Works projects rather than the California Fan Palm, which is susceptible to pink rot and requires regular fungicide treatment. Due to its superior environmental practices, including IPM, the Los Lagos

Municipal Golf Course and its superintendent were honored as the Golf Course Superintendents Association of America/Golf Digest (GCSAA) National Public and Overall winners of the 2005 GCSAA/Golf Digest Environmental Leaders in Golf Awards.

New projects to reduce reliance on chemical controls are planned for implementation in FY 06-07. The first project involves the use of predators to control rodent populations in certain parklands. The proposal involves building owl boxes and placing them strategically to entice owls to establish habitat and prey upon the rodents. The second project involves the use of a native grass seed mix to control star thistle weed along trails. Pesticides are typically used in the area proposed for a trial project. DOT-Special Districts will continue to evaluate the gopher pilot project that began in FY 04-05, which uses traps to control gophers rather than pesticides.

In FY 06-07, the City will continue taking a lead role in the planning process as co-host for the 3rd Annual Regional IPM Conference scheduled for November 2006 at the San Jose Convention Center. In FY 05-06, representatives from ESD, DOT, PRNS and GS began serving as conference chair and on various IPM Conference planning subcommittees.

Mercury (M)

This program element is implemented pursuant to provision C.9.c of the permit. The City has continued its efforts to reduce or eliminate mercury discharges in municipal operations. The City purchases low mercury-containing fluorescent lamps. Spent lamps are required to be recycled. In FY 05-06, the City recycled nearly 9,100 feet of mercury-containing lamps. Residential recycling of lamps is accomplished through the City's support of the Santa Clara County's Household & Small Business Hazardous Waste program.

February 2006 marked the start of the Universal Waste Rules which require common household products like batteries, thermometers, fluorescent lamps and cathode ray tubes that contain hazardous materials, such as mercury and other heavy metals, to be disposed at approved locations like the County's Household Hazardous Waste site. These products are no longer accepted in curbside trash or recycling receptacles. The City conducted various outreach efforts at both the City and Program levels to alert residents of this change including postings on the City's website and articles in the City's *Curbside Courier* newsletter.



*Fluorescent lamps for recycling at the
Central Service Yard*

In addition, the City has operated and maintained a National Mercury Deposition Network (MDN) site since January 2000, collecting samples, recording data, and sending both to the national MDN laboratory. The City also continues its support of the San Francisco Bay Regional Monitoring Program, AB 982 TMDL Public Advisory Group, WMI Guadalupe River Mercury TMDL Workgroup, and the Clean Estuary Partnership. The City continues its commitment to

work with the Water Board and stakeholders toward TMDLs that are technically defensible and feasible for implementation.

Copper & Nickel Action Plans (CNAP)

This program element is implemented pursuant to provisions C.9.a and C.9.b of the permit, which incorporate Action Plans for copper and nickel to be implemented based on water quality monitoring results in the South Bay. The action plans include activities for which various agencies or entities assume responsibility. Only activities undertaken at the municipal level for stormwater are included in this report. Such activities have largely been integrated into other ongoing program elements but are reported as a summary for clarity. Copper and Nickel remain among the list of pollutants addressed by general and targeted outreach regarding stormwater pollution prevention.

In the City's Industrial and Commercial Inspection program, key activities have been implemented to address copper either exclusively or among the array of potential pollutants. A fact sheet regarding rooftop sources of copper pollution was again distributed to select industrial facilities. In FY 05-06, the City's Watershed Enforcement Inspectors completed a pilot project that involved inspecting rooftops of select facilities in addition to regular inspection activities. The purpose of this pilot was to evaluate the degree of BMP implementation and the need for additional outreach or enforcement efforts. Results of this project indicate that additional rooftop inspections are not necessary.



The City also continued its "NOI Filers" project. This activity aimed to increase awareness among industrial facilities of their obligations under the State's General Industrial Activities Stormwater Permit (GIASP) by providing them with BMPs and information alerting them to the requirements. Review of this information has already been successfully incorporated into routine inspections and the City reports to the Water Board a list of facilities that have not yet filed under the GIASP.

Trash (TRA)

This program element is implemented pursuant to the Program's Trash Work Plan and provision C.1 of the permit. The purpose of the Trash program is to address litter and illegal dumping that threatens to pollute urban waterways. The impetus for this program was the 2001 Water Board Staff Report recommending that all urban creeks, lakes, and shorelines be placed on a monitoring list due to the threat of trash impairment to water quality. Activities associated with the Trash program since its inception in FY 02-03 include a survey of San Jose's established trash management services and programs and identification of litter hotspots.

Trash assessments based on a trash problem area list continued to be the focus of activity during FY 05-06. The trash problem area list is comprised of Anti-Litter Program sites, parks, and homeless encampments located throughout the City. This year a second round of assessments

was performed at priority hotspots in the Coyote watershed and at all locations in other watersheds. Assessments were performed using standard protocol selected by the Program. The assessments provided information regarding the type and potential sources of trash found in and around urban creeks and offered insight into the effectiveness of existing trash management practices. The trash assessments revealed that existing trash management activities are sufficient at many locations, but that enhancements are needed in others.



*Volunteers removing trash from Coyote Creek
behind San Jose High Academy*

The City continues to try to maximize existing resources to address trash problem areas throughout the City. This year Watershed Enforcement acted as a resource to help address trash problems on privately owned property adjacent to creeks. Enforcement inspectors contact property owners to ensure clean up and/or prevent trash from re-accumulating. In addition, the City established an agreement with the San Jose Conservation Corps to provide clean-up services along creeks to supplement existing clean-up provided by City maintenance. The Conservation Corps removed approximately 70 cubic yards (approximately 7 tons) of trash from the Guadalupe River and Coyote Creek.

This year the City of San José and the Santa Clara Valley Water District (District) continued efforts associated with the Memorandum of Agreement for Trash Prevention and Removal (Trash MOA), which began in FY 04-05. The highlight of Trash MOA activities was the partnered clean-up projects on Coyote Creek. The Trash MOA calls for three partnered clean-up projects each calendar year that are intended to take place at locations that fall outside the normal scope of operations of the City and District. During this reporting period, two partnered clean-up projects occurred in the Coyote Creek Watershed and a third on the Guadalupe River. An estimated total of four tons of debris was removed.

In addition, ESD is investigating structural trash management controls. The City submitted a concept proposal to the State Water Board Consolidated Grants Program for funds to support implementation of a structural trash control pilot program. The grant concept proposal was not invited to the application stage, but City funds were budgeted to support much smaller scale implementation of trash controls (catch basin inserts, inlet bars, or underground separation units) in FY 06-07.

Monitoring (MON)

Monitoring activities required in the stormwater permit are generally implemented in collaboration with other agencies. The City continues to participate in monitoring activities area-wide, including Regional and Program-focused investigation of pollutants and sources of pollutants to the storm drain system. The City also provides input and support to the Program's



*Watershed Protection Biologist collecting
field data from Coyote Creek*

multi-year monitoring program, and reviews work products as various Program-level projects are designed and completed.

Municipal Compliance (MC)

This program element summarizes the City's efforts to train City staff on pollution prevention practices and to ensure that City facilities comply with stormwater requirements. In FY 05-06, the City held over 75 sessions on various topics to ensure that City staff received training on procedures and issues related to stormwater programs. Trainings continued on the implementation of the New and Redevelopment (C.3) requirements with a strong focus on hydromodification measures. Also, the City received several presentations by stormwater product vendors.

To ensure stormwater compliance at City properties, Corporation Yards were routinely inspected for stormwater permit compliance. An annual inspection was conducted at each of the six yards



Fuelling island at Mabury Corporation Yard

during the first quarter of 2006. Quarterly hazardous material inspections, which include stormwater issues, were also conducted in FY 05-06. A Corporation Yards' Pollution Prevention Team (P2 Team) was formed in December 2004. The responsibilities of the team are to review and update Corp Yard Stormwater Pollution Prevention Plans (SWPPPs), assess the Corp Yards for current stormwater best management practices (BMPs) in use, determine if new BMPs should be included in the SWPPPs, and assist in implementing the SWPPPs (e.g.

training). SWPPP revisions for three of the Corp Yards (Mabury, South, and West) were drafted in FY 05-06 and are currently under review. Also, SWPPP training was conducted at all six of the Corp Yards in June 2006. On average, 93% of the employees responded that the BMPs taught were appropriate for their work. The combination of site inspections and the semi-annual meetings appears to be working well. The concerns identified in the Corp Yards' inspection reports are usually minor and resolved swiftly.

Public Information / Participation (PIP)

This program is implemented in accordance with provision C.4 and includes general outreach, targeted outreach, educational programs, and public participation activities. The City has a robust and broad-based public information and public participation program, utilizing many different outreach methods to best deliver stormwater pollution prevention and watershed protection messages. Conducting outreach to the community and providing opportunities for participation in water quality protection activities are critical to evoking the behavior changes needed to manage stormwater quality. They are also important for garnering the support needed to continue and expand services and programs.

The City participates in and supports a wide variety of stormwater outreach and education activities, including many in collaboration with other local and regional agencies. Highlights for FY 05-06 include: continued stenciling of storm drain inlets throughout the City with the appropriate neighborhood creek name and 945-3000 hotline number; providing access and supplies for multiple creek clean-up sites; training sessions for developers on construction requirements; and conducting four Wacky Watershed teacher training workshops to 40 teachers. Outreach continues to be a vital tool for inspectors, allowing for direct education of polluters and potential polluters. Education is the first step in the City's Enforcement Response Plan. Educating the youth of San José continues to be a priority, with several different programs targeting both students and teachers with watershed education.

The City also actively supports Program-wide outreach and education activities, including IPM outreach, Mercury outreach, and the Watershed Watch campaign. Coordinating outreach activities with the Program and Bay Area-wide efforts enables the City to deliver some of its pollution prevention message more effectively and at reduced cost.



*Watershed Protection Engineer
educating 3rd graders at the
Water Wizards Festival*

Permit Reapplication

The City's current NPDES permit was adopted in February 2001 for a five-year period. The permit was amended in October 2001 and July 2005, with both amendments relating to the New and Redevelopment stormwater treatment and hydromodification provision, also known as Provision C.3. The permit has been administratively extended since February 2006, pending the adoption of the Bay Area-wide Municipal Regional Permit.

In late 2005, the Water Board embarked on a multi-stakeholder process to craft an NPDES permit, called the Municipal Regional Permit (MRP) that would apply to all municipal stormwater dischargers in the Bay Area. In the past, NPDES permits were issued separately to Bay Area stormwater programs with staggered adoption dates, which often resulted in uneven and inequitable requirements.

City staff has dedicated numerous hours to participate in work groups convened to help develop performance standards for the Inspection and Outreach components of the new permit. Staff has also participated in the steering and stakeholder meetings convened by Water Board staff. City staff will continue to participate in the MRP process through the Program, BASMAA, and individually as a City. The Water Board is expected to adopt the MRP in 2007.

Conclusion

The City of San José is committed to managing and protecting stormwater quality and dedicates significant resources to a variety of activities designed to address stormwater quality issues. The



Alum Rock Library detention pond, a stormwater treatment control measure

City actively participates in many local and regional efforts designed to leverage the most value for its resources and citizens. The City strives to be a leader in watershed protection, and continues to meet or exceed its permit-mandated obligations. Future fiscal years will bring new challenges, but the City is actively positioning itself to best meet these challenges and maintain the high quality of service its constituents expect.

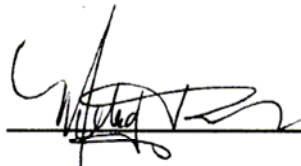
Certification Statement

**City of San José
FY 2005-2006 ANNUAL REPORT**

Certification Statement

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature by Duly Authorized Representative:

A handwritten signature in black ink, appearing to read 'Melody Tovar', is written over a horizontal line.

MELODY TOVAR, P.E.
Acting Deputy Director
Environmental Services Department
Watershed Protection

1. ICID: Illicit Connection / Illegal Discharge Inspection

1.A ICID Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
ICID 1	Response to Complaints The City of San José will respond to complaints regarding ICID dumping activities into the storm drain system and will ensure that the activity has ceased or is an allowable discharge.			
ICID 1.A	Update database system to track ICID complaint information.	Done FY 02-03	Done FY 02-03.	ESD-WE
ICID 1.B	Document to RWQCB annually the number of ICID complaints that City received, & that activity has ceased or is an allowable discharge.	Annually	Done FY 05-06. See 1.D: <i>ICID Summary Tables/Additional Information.</i>	ESD-WE
ICID 1.C	Document to the RWQCB annually follow-up activities from each ICID complaint response. (Table 1 in the Annual Report)	Annually	Done FY 05-06. See 1.D: <i>ICID Summary Tables/Additional Information.</i>	ESD-WE
ICID 1.D	Review effectiveness of standard operating procedures for responding to ICID complaints.	Annually	Done FY 05-06. Current procedures are working well.	ESD-WE
ICID 1.D.2	Refine and implement standard operating procedures for responding to ICID complaints/referrals.	Ongoing	Done FY 05-06. Current procedures are working well.	ESD-WE
ICID 1.E	Work with SCVURPPP to refine administrative procedure for providing referrals to the Regional Board.	03/01/05	Pending activity by Program ICID AHTG.	ESD-WE, Program
ICID 1.F	Revise standard operating procedures to incorporate results of ICID 1E.	03/01/05	Pending completion of ICID 1E.	ESD-WE, Program
ICID 2	Investigations The City of San José will conduct investigations of high priority areas. High Priority is defined as areas with a high potential for non-stormwater discharges to the City's collection system.			
ICID 2.A	Identify high priority areas, primary types & sources of ICID pollution based on complaints, historical inspection records, inspector knowledge and monitoring information.	Annually	Done FY 05-06. Priority areas based on complaints received. All complaints are investigated.	ESD-WE
ICID 2.A.1	Perform GIS analysis on frequently occurring ICID sources and/or types.	FY 03-04	Done FY 05-06. See 1.D: <i>ICID Summary Tables/Additional Information.</i>	ESD-UR
ICID 2.B	Conduct investigations of high priority areas based on ICID 2A.	Ongoing	Done FY 05-06. See 1.D: <i>ICID Summary Tables/Additional Information.</i> Additionally, staff conducted outreach efforts in business areas that had consistent ICID complaints.	ESD-WE
ICID 2.C	Document to the RWQCB that high priority areas have been conducted, per Table 2 in revised reporting format.	Annually	Done FY 05-06. See 1.D: <i>ICID Summary Tables/Additional Information.</i>	ESD-WE

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
ICID 3	Inspector Training The City of San José will ensure that ICID inspectors are adequately trained in inspection procedures, documentation, and enforcement related to stormwater pollution prevention.			
ICID 3.A	Conduct annual training for ICID inspectors.	Annually	Done FY 05-06. See 13.D: <i>Municipal Employee Training Summary</i> for details.	ESD-WE
ICID 3.B	Provide and document on-the-job training and other training opportunities, such as inspection workshops.	Annually	Done FY 05-06. See 13.D: <i>Municipal Employee Training Summary</i> for details.	ESD-WE
ICID 3.C	Review inspection training protocols to identify new training opportunities, approaches, and materials.	Annually	Done FY 05-06. During annual reviews and during the budget cycle ESD annually reviews the training and material needs for each inspector and the Watershed Enforcement section as a whole.	ESD-WE
ICID 4	Outreach and Technology Transfer The City of San José will distribute outreach and technology transfer material containing applicable control measures and/or BMPs to target parties responsible for ICID activities.			
ICID 4.A	Develop and/or modify existing outreach material, as needed, based on report developed under ICID 4B	Ongoing, as needed.	Done FY 05-06. No new or modified outreach materials were identified or developed this fiscal year.	ESD-WE/Marcom
ICID 4.B	Determine need for new outreach and technology transfer material by getting feedback from inspectors regarding 1) continuing problem activities 2) discharge types and 3) monitoring and complaint data, 4) usefulness of existing outreach and technology transfer material.	Ongoing	Done FY 05-06. Feedback from inspectors is collected during regular staff meetings. Needs are identified and responded to as priorities and budget allow. As a result of inspector feedback in FY 05-06 the <i>Draining Pools and Spas</i> brochure was reprinted.	ESD-WE and UR
ICID 4.C	Document to RWQCB that outreach technology transfer material and/ or BMPs have been distributed; tracked in Urban Runoff database.	Annually	See 14.D: <i>PIP Activities</i> Table for a count of outreach and technology transfer materials distributed as part of inspection activities.	ESD-UR
ICID 4.D	Develop and implement standard operating procedures to gather customer feedback on ICID services.	Development Done FY 02-03 Implementation Ongoing	Done FY 05-06. Customer feedback cards are routinely distributed to ICID complainants. See Section 14 A, Item PIP 2.B 1 for details.	ESD-WE
ICID 5	SOPs Effectiveness Evaluation The City of San José's Watershed Enforcement staff will review and evaluate the effectiveness of its SOPs in responding to complaints regarding illicit connections and illegal discharge dumping activities into the storm drain system.			
ICID 5.A	Document and evaluate effectiveness of SOPs.	Annually	Done and ongoing. Outreach was added as a standard element to areas that have consistent ICID reports.	ESD-WE
ICID 5.B	In Annual Report, document and evaluate what worked well and what needs improvement.	Annually	Done FY 05-06. See 1.B: <i>ICID Program Evaluation</i> .	ESD-WE

1.B ICID Program Evaluation

Figure 1 illustrates the distribution of ICID incident types for Residential, Commercial, Industrial, Automotive, Food, Construction, and Public facilities. The total number of incidents decreased from 829 last year to 792. This decrease could be attributed to increased awareness and continued targeted outreach efforts. Staff will continue to monitor this trend and assess if there is a correlation with outreach efforts.

Vehicle and equipment leaking is down to 107 incidents from 123 reported last year. This type of incident, however, continues to be the leading incident type investigated in residential areas with residential areas leading the total number of complaints at 357, or 45% of total complaints. The high number of complaints in residential areas as shown in Figure 2 may be explained by the increased residential awareness and the fact that over 34% of the City's land area is used for residential purposes versus 15% for both commercial and industrial uses combined. Open space, roads, baylands and schools generally account for the remaining land area in San Jose.

The number of construction-related incidents remained similar to last year, with 76 reported in FY 05-06 versus 73 in FY 04-05. Staff in ESD, PW and PBCE continues to proactively coordinate efforts to more effectively prevent construction related incidents, particularly tracking soil. Please see CON section for details.

Oil and grease issues continue to be the leading complaint at food facilities. To better address this issue, the City is expanding the current food service facility inspections to more comprehensively address Fats, Oils and Grease (FOG) in FY 06-07. The City's FOG Program will dedicate a trained inspection group that is extremely knowledgeable about Fats, Oils, and Grease to work with food facilities to reduce the number of grease related incidents.

Residential Complaint Geographic Evaluation

In last year's Annual Report, staff committed to doing a geographic analysis of residential complaint data. Staff conducted a complaint analysis according to zip codes and determined that two zip codes, 95116 and 95123, have a higher percentage of complaints than other zip codes. Zip code 95116 straddles a portion of central and east San Jose, and the second, 95123, is located in South San Jose.

Zip code 95116 currently has four active Strong Neighborhood Initiative (SNI) areas, namely Five Wounds Brookwood Terrace (FWBT), Mayfair, Gateway East and East Valley/680 communities. The SNI is a partnership between the City of San Jose, the Redevelopment Agency (RDA) and San Jose's residents and business owners to strengthen the City's neighborhoods by building clean, safe, and strong neighborhoods with independent, capable, and sustainable neighborhood organizations. The increased number of complaints in this zip code could be attributed to the four SNI areas and the fact that residents in SNI areas tend to be more familiar with City programs generally, like the ICID program, than residents in non-SNI areas. Watershed Enforcement and Urban Runoff staff can use these existing SNI forums to actively engage the community in an effort to reduce illegal dumping and vehicle and equipment leaking issues, which continue to be the two leading complaints in residential areas.

The 95123 zip code does not currently have any SNI areas. Staff is evaluating why the number of calls was higher in this area of South San Jose. Staff is also evaluating various methods to target residential outreach in this area again with the intent to focus on illegal dumping and vehicle and equipment leaking issues. Methods being considered include identifying and engaging active neighborhood associations, a zip code specific insert in the San Jose Mercury News, or a zip code wide mailing.

Targeted Outreach

City staff continues to conduct targeted outreach in an effort to reduce the number of ICID incidents. In FY 05-06 City staff conducted the following:

- Met with the San Pedro Square Business Association and planned and implemented procedures to stop discharges to the storm drain from surface cleaning and leaking trash compactors; and
- Attended a joint training meeting with San Jose Water Company (SJW) on their emergency line break procedures.

Significant Clean-ups

Sewage Spill into the Guadalupe River

Watershed Enforcement (WE) received a call from the City's Department of Transportation (DOT) that a contractor broke a sewer line and raw sewage was entering the Guadalupe River. Staff conducted an investigation and determined that RGW, a contractor working for Caltrans, was digging a trench and broke a City sanitary sewer line on Saturday, June 17, 2006. The contractor initially thought they broke an abandoned line and did not report it. Caltrans reported the incident on Monday, June 19, 2006. Raw sewage was flowing into one of their pump stations, then pumped into storm sewer system, and then being deposited into the Guadalupe River. DOT crews plugged the lines and pumped the sewage. WE staff coordinated the pumping and clean-up of the storm lines and Guadalupe River. Caltrans has accepted full responsibility for the incident. The investigation is still ongoing and enforcement actions will be included for this incident.

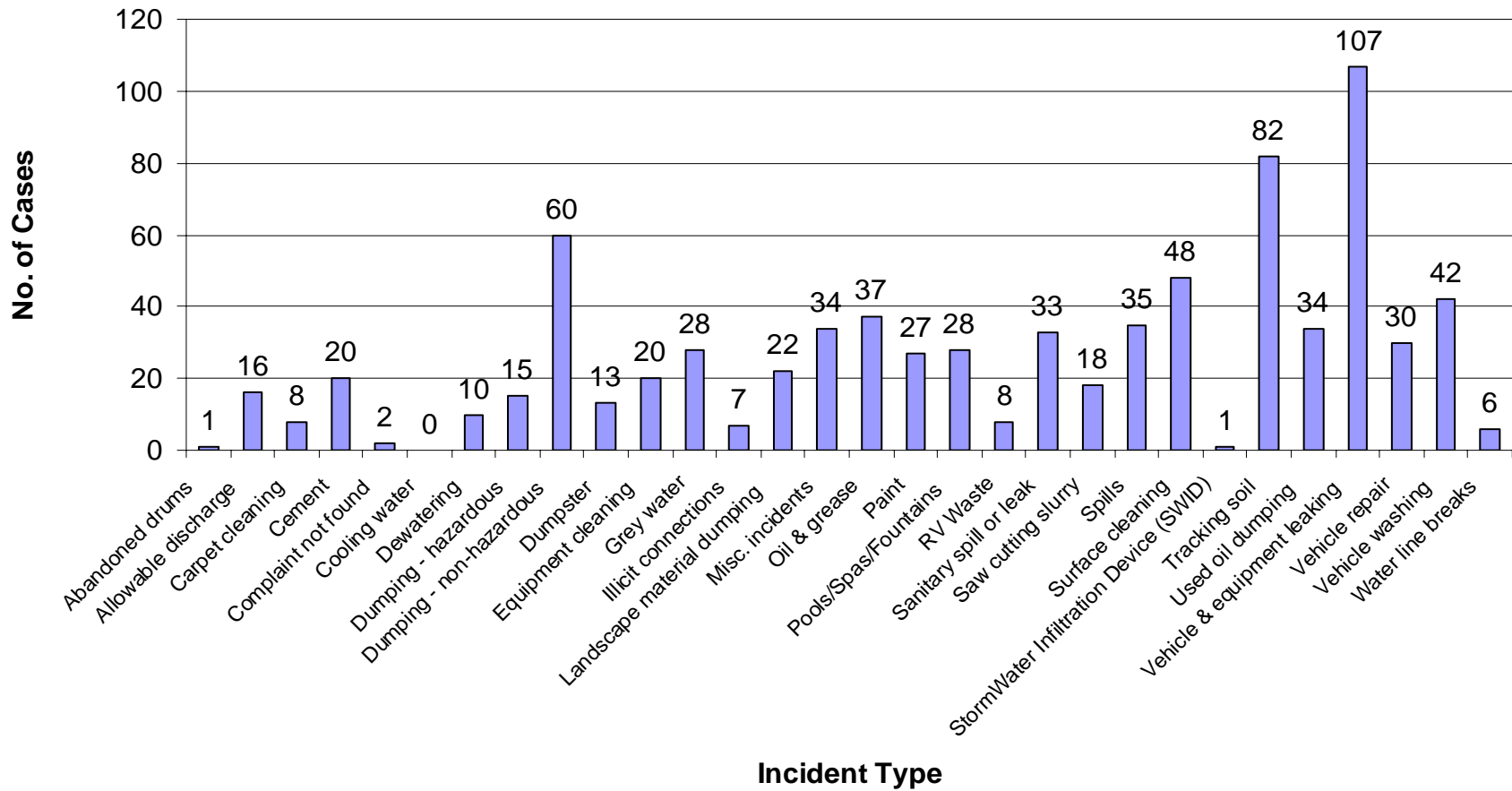
Grease Spill into the Guadalupe River

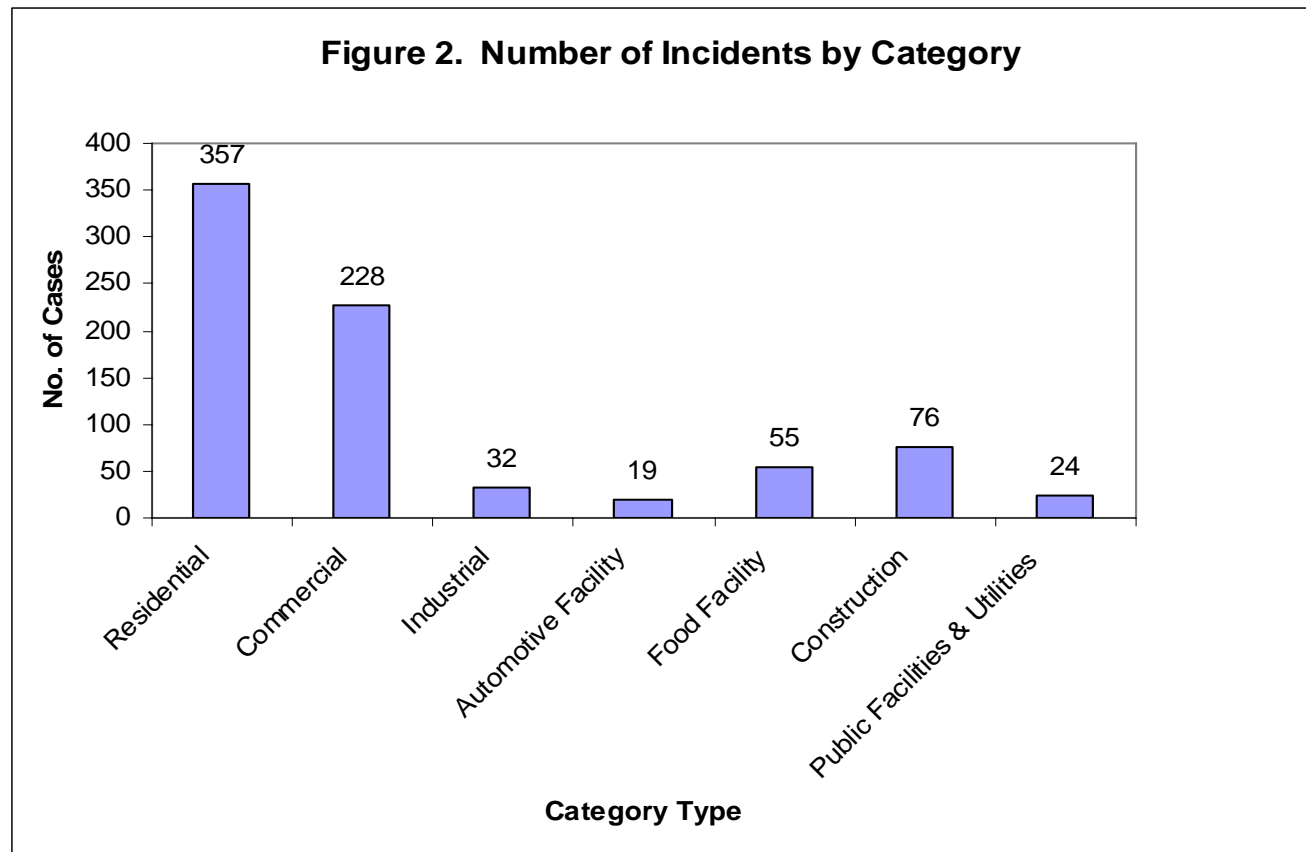
Watershed Enforcement received a complaint about sewage in the storm drain. Staff initiated an inspection and determined that it was greasy wash-water from the Crown Plaza hotel located in downtown. Upon further investigation, it was determined that the hotel's grease interceptor had not been pumped out recently and they did not have an approved sanitary sewer clean-out. This caused a sanitary sewer overflow that washed into the storm drain and flowed into the Guadalupe River. DOT crews and private contractors dammed the outfall and pumped the greasy wash-water out of the river. The hotel was issued an Official Warning Notice and an Administrative Citation, and they paid for the clean-up costs. Additionally, they installed an approved clean-out and are required to pump the grease interceptor on a regular basis.

Blue Water in Flint Creek

Watershed Enforcement responded to a complaint of a possible leaking underground storage tank that was turning Flint Creek a bluish color. Inspection staff conducted an investigation and found that NorCal Port-a-Potty Company had a yard nearby. According to NorCal, one of their drums had leaked. Further investigation revealed that there was a storm drain in the yard that was covered with wood and debris. City staff placed absorbent on the spill and dammed up the creek. NorCal hired a contractor to pump out the blue chemical from the Creek. Watershed Enforcement staff assisted City Park Rangers and the California Department of Fish & Game staff to collect samples. NorCal was issued an Official Warning Notice and they paid for all clean-up costs, including the catch basin and storm sewer line.

Figure 1. Total Number of Incidents by Type





1.C ICID Response to Water Board Comments

No comments received from Water Board on this Program Element.

1.D ICID Summary Tables / Additional Information

Incident Types by Potential Source of Incident

Incident Type	Residential	Commercial	Industrial	Automotive Facility	Food Facility	Construction	Public Facilities & Utilities	Totals
Abandoned drums	0	1	0	0	0	0	0	1
Allowable discharge	8	4	0	0	1	1	2	16
Carpet cleaning	7	1	0	0	0	0	0	8
Cement	11	5	1	0	0	3	0	20
Complaint not found	1	1	0	0	0	0	0	2
Cooling water	0	0	0	0	0	0	0	0
Dewatering	4	3	0	0	0	2	1	10
Dumping - hazardous	7	4	2	0	1	1	0	15
Dumping - non-hazardous	27	22	4	0	0	3	4	60
Dumpster	1	10	0	0	2	0	0	13
Equipment cleaning	4	6	1	1	6	1	1	20
Grey water	7	13	3	1	3	0	1	28
Illicit connections	4	3	0	0	0	0	0	7
Landscape material dumping	17	3	0	0	0	2	0	22
Misc. incidents	7	13	4	1	2	7	0	34
Oil & grease	3	9	0	1	24	0	0	37
Paint	19	7	0	0	0	1	0	27
Pools/Spas/Fountains	25	3	0	0	0	0	0	28
RV Waste	5	3	0	0	0	0	0	8
Sanitary spill or leak	16	11	0	0	3	0	3	33
Saw cutting slurry	5	6	1	0	0	6	0	18
Spills	10	11	4	3	2	2	3	35
Surface cleaning	8	22	1	1	8	5	3	48
StormWater Infiltration Device (SWID)	1	0	0	0	0	0	0	1
Tracking soil	13	21	3	0	0	42	3	82
Used oil dumping	25	8	0	1	0	0	0	34
Vehicle & equipment leaking	90	11	3	1	0	0	2	107
Vehicle repair	19	4	4	3	0	0	0	30
Vehicle washing	11	22	0	6	2	0	1	42
Water line breaks	2	2	1	0	1	0	0	6
Totals	357	229	32	19	55	76	24	792

Workload Summary

Workload	05-06	04-05	03-04	02-03	01-02	Definitions
Total Cases	792	829	716	925	885	Total number of ICID reports received by complainants. Effective FY 04-05 this category excludes complaints redirected to other agencies.
Total Investigations	1,359	1,359	939	1,926	1,635	This number is the sum of inspections for complaints/cases filed in the reporting fiscal year. This includes initial and follow up inspections.
Carry over Cases	57	53	102	87	45	The number of cases still open at the end of fiscal year.

Complainant Source Summary

# Cases By Complainant Source	05-06	04-05	03-04	02-03	01-02	Definitions
ICID Inspectors	3	25	123	243	22	Environmental Services Department staff employed in Watershed Protection Division, Environmental Enforcement.
City Staff	305	281	114	176	163	Any employee of the City of San José.
Other Agency	46	33	19	29	24	Any government agency other than the City of San José.
Citizen Complaints	436	434	359	476	518	Any person residing or working in the City of San José.
Other	2	56	101	1	15	Any complainant that is not included in the above source types.
Total	792	829	716	925	742	
How Complainants Heard about Program (PIP)	05-06	04-05	03-04	02-03	01-02	
City Operator/411	44	25	21	--	--	
Complainant is a City Employee	312	311	202	--	--	
Have filed complaint before	56	41	50	--	--	
N/A	130	197	211	--	--	
Other	171	187	169	--	--	
Outside Agency	38	25	20	--	--	
Preprinted Literature	4	--	--	--	--	
Storm Drain Stencil	37	43	43	--	--	
Total	792	829	716	--	--	

Enforcement Summary

Total Enforcement Actions Taken	05-06	04-05	03-04	02-03	01-02	Definitions
Total BMPS	1,730	1,054	1,061	1,726	--	Total Number of BMPS Distributed
Verbal Notice	230	285	173	334	330	Verbal warning providing information for corrective actions
Warning Notice	510	357	234	375	293	Written letter providing information for corrective actions (In San José this is an Official Warning Notice.)
Administrative Action	N/A	N/A	0	0	0	Official letter describing requirements and consequences (a Compliance Order in San José, which is no longer used.)
Administrative Action with Penalty &/or Fine	24	12	6	12	9	Administrative actions, including fines (In San José this is an Administrative Citation.)
Criminal Action	0	0	0	0	0	Legal actions
Referral for Enforcement	0	0	0	0	0	Refer case to agency with enforcement powers
Referral for other reason	0	24	1	105	136	Refer case to internal or external agency for clean-up, information or jurisdictional reasons.
Cases by #Inspections	05-06	04-05	03-04			Definitions
One Inspection	405	485	530			Number of Cases requiring one total inspection to achieve compliance
Two Inspections	259	241	160			Number of Cases requiring two total inspections to achieve compliance
Three Inspections	101	62	17			Number of Cases requiring three total inspections to achieve compliance
Four Inspections	14	27	2			Number of Cases requiring four total inspections to achieve compliance
Five or More Inspections	13	14	6			Number of Cases requiring five or more total inspections to achieve compliance
Total	792	829	716			
Cases by Highest Level of Enforcement Action	05-06	04-05	03-04			Definitions
No Enforcement Action	175	279	83			Cases with no Enforcement Action taken
BMP Distribution	67	93	129			Cases with BMPs Distributed as the highest Enforcement Action to achieve compliance
Verbal Notice	125	155	310			Cases with Verbal Notice as the highest Enforcement Action to achieve compliance
Warning Notice	408	290	190			Cases with Warning Notice as the highest Enforcement Action to achieve compliance
Administrative Citation	17	12	4			Cases with Administrative Citation as the highest Enforcement Action to achieve compliance
Criminal Action	0	0	0			Cases with Criminal Action as the highest Enforcement Action to achieve compliance
Total	792	829	716			

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2. IND: Industrial & Commercial Discharges

2.A IND Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
IND 1	Notice of Intent (NOI) Filers The City of San José will conduct inspections of those facilities that have filed an NOI with the State and appear on a list provided by the State.			
IND 1.A	Annually, obtain NOI filer database from State with annual information, review information and identify new NOI facilities for inspection next year.	Annually	Done FY 05-06. List obtained and incorporated in 7/04.	ESD-WE
IND 1.B	Conduct and document initial inspections of NOI Filers within one year using the inspector checklist form to determine exposure and assign a future inspection frequency to each facility accordingly. Document whether the facility had submitted an NOI, and whether a SWPPP and a SWMP were on site.	Ongoing	In FY 05-06 seven new NOI filers were inspected out of a total of 13. The remaining five were inspected in July and August of FY06-07. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE
IND 1.C	Conduct & document annual inspections of facilities determined to have exposure in accordance with inspection frequency schedule.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE
IND 1.D	Conduct & document inspections of facilities determined to have exposure in accordance with inspection frequency schedule.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE
IND 1.E	Maintain the database to track the inspection information from the inspector checklist and to include all NOI filer SIC codes required by the Industrial Activities Stormwater General Permit.	Ongoing	Done FY 05-06 and ongoing.	ESD-WE
IND 2	Non-Filer Investigations The City of San José will inspect industrial facilities that may be subject to general permit requirements but are not found on the NOI filer list provided by the State.			
IND 2.A	Identify industrial facilities that conduct activities with the SIC codes listed in the IND SOPs.	Annually	Done July 2005: Determined the Inspection schedule for the year based on the IND SOP.	ESD-WE
IND 2.B	Develop a list of facilities targeted for inspection during upcoming year that may be subject to general permit requirements for NOI based on business licenses, etc.	Annually	Done, July 2005: Determined the Inspection schedule for the year based on the IND SOP.	ESD-WE
IND 2.C	Conduct and document initial inspections of industrial facilities with the SIC codes listed referenced in IND 2A, using the inspector checklist form to document whether the facility "has exposure" or "no washing/no service" facility, whether the facility had submitted an NOI, and whether a SWPPP and a SWMP were on site. Maintain database.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE
IND 2.D	Conduct & document annual inspections of facilities	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary</i>	ESD-WE

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	determined to be Significant Facilities in accordance with implementation schedule. Add the facility to appropriate database(s) and assign an inspection frequency. If the facility inspected is determined to need to file an NOI and is not able to provide an NOI, SWPPP or SWMP, refer to the RWQCB.		<i>Tables/Additional Information.</i>	
IND 2.E	Work with the Program's Industrial Inspection Ad Hoc TG on an Administrative procedure for providing referrals to the Regional Board and document providing referrals to the Regional Board for facilities with significant problems.	Pending Implementation by Program	Pending activity by Program IND AHTG.	ESD-WE
IND 3	City Regulated Facilities The City of San José will conduct inspections of City Regulated facilities as identified below: Food Service Facilities: 2 or more AOCs* over a rolling three year time period - Every year 1 AOC over a rolling three year time period – Every two (2) years 0 AOCs over a rolling three year time period - Every three (3) years All other City-regulated Facilities: 2 or more AOCs* over a rolling five year time period – Every year 1 AOC over a rolling five year time period – Every two (2) years 0 AOCs over a rolling five year time period but have exposure – Every five (5) years 0 AOCs over a rolling five year time period with no exposure or potential for exposure – No further inspections Facilities for which a referral or ICID complaint is received: As soon as practicable for violations and every year until they meet the above criteria.			
IND 3.A	Determine industrial/commercial facilities identified in the IND SOPs	Annually Q1	Done, July 2005: Determined the Inspection schedule for the year based on the IND SOP.	ESD-WE
IND 3.B	Conduct and document inspections of City Regulated facilities, other than food service facilities, at least once every five (5) years in accordance with the inspection frequency schedule. If determined to have no impact or no potential for pollution, will not be scheduled for future inspection.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information.</i>	ESD-WE
IND 3.C	Conduct and document inspections of City Regulated food service facilities at least once every three (3) years. Initial approved performance standards require inspections every three years. If determined to have no impact or no potential for pollution, will not be scheduled for future inspection.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information.</i>	ESD-WE
IND 3.D	Conduct and document inspections for which a referral or complaint was received within five days of complaint received and second inspection within one year.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information.</i>	ESD-WE
IND 3.E	Develop a database to track the inspection information	Done FY 02-03	Done FY 02-03.	ESD-WE

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	from the inspector facility inspection report.			
IND 3.E.1	Implement new Environmental Enforcement Data Management System.	Done FY 03-04	Done FY 03-04.	
IND 3.F	Maintain database to track inspection information from inspector facility inspection report and to include new industrial program categories.	Done FY 03-04	Done FY 03-04.	ESD-WE
IND 3.G	For B, C, D, and E, collect information during inspections on the potential for stormwater pollution at City Regulated facilities in order to determine the appropriate inspection frequency for the various facilities.	Ongoing	Done FY 05-06 and ongoing. Areas of Concern (AOC) determine inspection frequency. AOCs are identified during inspection.	ESD-WE
IND 3.H	Develop an inspection frequency plan to track frequency of inspections. Implement & update, as needed, the inspection frequency plan.	Done FY 01-02 Implementation Ongoing Updated as Needed	Done FY 01-02 and ongoing. Areas of Concern (AOC) determine inspection frequency. AOCs are identified during inspection.	ESD-WE
IND 4	Compliance The City of San José will conduct industrial/commercial inspections to determine the existence of discharges or threatened discharges, which are illegal under local ordinances. The facility operator will be notified of observed areas of concern to be corrected and/or if official action on violations is necessary, it will take place under local enforcement procedures.			
IND 4.A	Document facilities that have enforcement actions, and the type of enforcement actions, conducted for the existence of discharges or threatened discharges that are illegal under local ordinances.	Ongoing	Done FY 05-06 and ongoing. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE
IND 5	Training The City of San José will ensure that industrial/commercial inspectors are adequately trained in inspection procedures, documentation, and enforcement related to stormwater pollution prevention.			
IND 5.A	Conduct annual training for IND inspectors.	Annually Q1	Done FY 05-06. See 13.D: <i>Municipal Employee Training Summary</i> for details.	ESD-WE
IND 5.B	Maintain a training plan and provide and document on-the-job training and other training opportunities such as industrial/commercial inspection workshops.	Ongoing	Done FY 05-06 and ongoing. See 13.D: <i>Municipal Employee Training Summary</i> for details.	ESD-WE
IND 5.C	Review inspection training protocols to identify new training opportunities, approaches, and materials.	Ongoing	Done FY 05-06 and ongoing. See 13.D: <i>Municipal Employee Training Summary</i> for details.	ESD-WE
IND 6	Outreach The City of San José will help develop and distribute outreach and technology transfer material containing applicable control measures and/or BMPs to industrial/commercial facility operators responsible for IND activities.			
IND 6.A	Identify and list existing outreach and technology transfer material.	Annually	Done FY 05-06. Outreach materials are listed in Appendix A of the City's URMP.	ESD-UR
IND 6.B	Distribute applicable outreach and technology transfer	Distribution	Done FY 05-06 and ongoing. See 14.D: <i>Outreach</i>	ESD-UR

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	material to industrial/commercial facility operators. Document to the RWQCB that outreach and technology transfer material and/or BMPs have been distributed, as needed, to industrial/commercial facility operators.	Ongoing	<i>Materials Distributed</i> for a count of outreach and technology transfer materials distributed as part of Inspection activities.	
IND 6.B	Determine usefulness of outreach and technology transfer materials by obtaining feedback from industrial/commercial facilities. Obtain feedback from inspectors about the effectiveness of existing outreach and technology transfer material.	As Needed	Done FY 05-06. Feedback from inspectors is collected during regular staff meetings. Needs are identified and responded to as priorities and budget allow.	ESD-UR
IND 7	NOI Filers Effectiveness Evaluation The City of San José's Watershed Enforcement staff will review and evaluate the effectiveness of its NOI Filers inspections procedures and database tracking system.			
IND 7.A	In the Annual Report document and evaluate the effectiveness of NOI Filers inspection procedures.	Annually	Done FY 05-06. NOI filers are inspected in a similar manner as all facilities. These procedures were updated to include a better mechanism for determining whether a facility needs to file for an NOI if conditional.	ESD-WE
IND 7.B	In the Annual Report document and evaluate the effectiveness of the NOI Filers database tracking system.	Annually	Done FY 05-06. The NOI filer database tracking system identifies whether facilities are conditional or not and includes a special button for indicating if there is any potential for exposure.	ESD-WE
IND 7.C	In the Annual Report document and evaluate what worked well and what needs improvement.	Annually	Done FY 05-06. See 2.D: <i>IND Summary Tables/Additional Information</i> .	ESD-WE

2.B IND Program Evaluation

The goal of the IND Program Element is to reduce storm drain pollution from commercial and industrial facilities through inspection. The Environmental Enforcement Section of the Watershed Protection Division is primarily responsible for inspecting over 3,500 businesses in San José each year.

Increase in Business License Applications

As shown in Table 2.D, FY 05-06 marked the third time in three years that the City experienced a significant spike in the number of business license applications. The total inventory of facilities in the City that are subject to inspection has doubled over the last three years, from 4,991 facilities in FY 03-04 to 9,229 facilities in FY 05-06, representing a significant workload challenge. The City began to integrate this increased workload for the short term by prioritizing, phasing initial inspections, and shifting resources. The number of facilities inspected has increased from 2,872 in FY 03-04 to 3,506 in FY05-06 and 4,000 facilities are slated for inspection in FY 06-07. Since this increase in workload is expected to continue in subsequent fiscal years, long-term strategies will be explored to fulfill inspection requirements.

Food Service Facility Inspections

FY 05-06 marked the fourth year of implementation of this comprehensive inspection program and 1,148 facilities were inspected. Staff also conducted a review of the last three years of data in order to assess how the program is working. The data showed the following:

- The average number of AOCs (Areas of Concern) found at facilities with any AOCs is approximately two and relatively constant over the last three years.
- The percent of facilities where AOCs are identified increased over the first three years, then seemed to stabilize for the fourth year. This appears to be due to the repeat inspections of facilities that were found in noncompliance in previous years and will be evaluated more closely as this program continues.

- A closer look at facilities with AOCs in the previous year shows that more than half show a decrease in the number of AOCs found at their facility the subsequent year, showing improvement of their performance over time.

In FY 05-06, the City is establishing a Fats, Oils, and Grease (FOG) Inspection Program. This Program will target food service facilities focusing specifically on successfully integrating the sanitary sewer management plan (SSMP) requirements and enhancing the business' general awareness of stormwater issues related to this particular business type.

BMP Distribution

Almost 9,000 Best Management Practice brochures (BMPs) were distributed in FY 05-06, which represents a 40% increase in BMP distribution over last fiscal year. Generally, City Inspectors are being very proactive and distributing BMPs to support educational efforts. For example, businesses that did not have any AOCs were still given BMPs by inspectors to support the business in their efforts and to help ensure that they would be well positioned to keep their number of AOCs at zero. This increase may also be attributed to specific FOG BMPs being tracked individually instead of as a single group, as they were tracked prior to FY 04-05.

2.C IND Response to Water Board Comments

No comments received from Water Board on this Program Element.

2.D IND Summary Tables / Additional Information

IND Summary Tables

OVERALL FACILITY INSPECTION TOTALS	05-06	04-05	03-04	02-03	01-02	DESCRIPTION OF ITEM
Facilities Subject to Inspection in database	9,229	6,164	4,991	3,943	3,924	All facilities in the database that require inspections to meet the performance standard, whether or not they are scheduled for inspection in the current year. This includes both city-regulated and GIASP facilities. This excludes facilities that the City has determined are not subject to future inspection based on a determination that there was no exposure, incorrect SIC, etc.
Facilities Scheduled for Inspection	3,490	3,020	3,022	2,500	1,743	All facilities that were determined to need inspection by existing schedule date and imports from business license, Harris Info, and NOI filers state listing for reporting year.
Facilities Inspected	3,506	3,029	2,872	2,210	1,720	All facilities subject to inspection that were inspected. Also described as number of cases.
Other City Regulated Facilities	85	51	26	30	43	These facilities had an Illicit Connection Illegal Dumping complaint filed against them, so now are scheduled to receive an industrial/commercial inspection as per IND 3D.
Facilities Scheduled for Inspection the following fiscal year	4,000	3,237	3,144	3,132	2,500	All facilities subject to inspection for the following fiscal year.

STATUS OF GIASP IMPLEMENTATION	05-06	04-05	03-04	02-03	01-02	DESCRIPTION OF ITEM
Board Referrals						
New NOI Filers	13	4	20	9	260	Total industrial facilities in San José with new NOI filed according to Water Board Database as of July 2004. Prior to 02-03, data included all Active NOI filers; not just new ones.
New NOI Filers Inspected	7	4	17	9	N/A	Of the facilities referred to the City by the Water Board, the number inspected during the fiscal year.
Inspections						
Potential NOI Facilities	840	746	521	544	N/A	Of the facilities scheduled for inspection during the fiscal year, the number that may be subject to GIASP provisions
Have Filed	52	96	126	110	N/A	Of the facilities inspected, the number that have filed.
SWPPP or SWMP on-site	81	87	149	108	N/A	Per IND 1B and IND 2C, the number of facilities having a SWPPP or SWMP on-site
Need to File	59	90	26	122	98	Of the facilities inspected, the number determined to need to file in accordance with the GIASP. These facilities are listed in 2.D Companies Requiring NOI Based on SIC But Have Not Filed AND Companies Requiring NOI Based on Exposure But Have Not Filed.
Do Not Need to File (Conditional – No NOI required)	451	560	279	164	465	All facilities that were determined to need an inspection per the GIASP with findings of no NOI required.
Closed/Moved Facilities	278	248	521	447	N/A	NOI facilities no longer in operation.

Enforcement Actions Summary

TOTAL ENFORCEMENT ACTIONS TAKEN	05-06	04-05	03-04	02-03	01-02	DESCRIPTION OF ITEM
AOCs	1,821	2,591	2,624	1,790	1,069	Area of concern with a compliance date and any enforcement action activity.
BMPs Distributed	8,912	6,890	5,796	4,267	1,878	Number of BMPs issued as part of Enforcement.
Verbal Warning	1,070	1,280	1,927	753	N/A	Verbal warning providing information for corrective actions. An inspection report accompanies each verbal warning.
Official Warning Notice	366	384	162	77	N/A	Written letter providing information for corrective actions.
Administrative Action with Penalty &/or Fine	5	15	3	3	N/A	Administrative actions, including fines (In San José this is an Administrative Citation.)
Criminal Action	0	0	0	0	N/A	Legal actions
Referral for Enforcement	0	0	0	0	N/A	Refer case to agency with enforcement powers.
Referral for other reason	0	0	0	4	N/A	Refer case to internal or external agency for clean-up, information or jurisdictional reasons.

HIGHEST ENFORCEMENT ACTION TAKEN	05-06	04-05	03-04	DESCRIPTION OF ITEM
No Enforcement Action	1,169	780	835	Cases with no Enforcement Action taken
BMPs Distributed	1,342	939	850	Cases with BMPs Distributed as the highest Enforcement Action to achieve compliance
Verbal Warning	686	1,045	1,064	Cases with Verbal Notice as the highest Enforcement Action to achieve compliance
Warning Notice	306	255	120	Cases with Warning Notice as the highest Enforcement Action to achieve compliance
Administrative Citation	3	10	3	Cases with Administrative Citation as the highest Enforcement Action to achieve compliance
Criminal Action	0	0	0	Cases with Criminal Action as the highest Enforcement Action to achieve compliance
Total	3,506	3,029	2,872	All facilities subject to inspection that were inspected. Also described as number of cases.

INSPECTIONS REQ'D FOR COMPLIANCE	05-06	04-05	03-04	DESCRIPTION OF ITEM
One Inspection	2,807	2,132	2,057	Number of Cases requiring one inspection to achieve compliance
Two Inspections	571	675	535	Number of Cases requiring two inspections to achieve compliance
Three Inspections	96	162	158	Number of Cases requiring three inspections to achieve compliance
Four Inspections	18	45	59	Number of Cases requiring four inspections to achieve compliance
Five Inspections or More	14	15	63	Number of Cases requiring five inspections or more to achieve compliance
No Inspections	0	0	0	Number of Cases requiring zero inspections (These are duplicates and facilities determined to be non-existent by Business List and phone calls)
Total	3,506	3,029	2,872	All facilities subject to inspection that were inspected. Also described as number of cases.

IND Facility Categories for the City of San José

(Developed by AHTG to use for Program-wide Reporting, September 7, 2001 Memo's 17 categories + 3 City categories)

CATEGORY #	PROGRAM CATEGORY	CURRENT AHTG MUNICIPAL CATEGORY	SCHEDULED	ACTUAL
1	Automotive	Automotive sales, engine and body repair, gas stations, car washes, parking, vehicle services	549	524
2	Food Service	Eating and drinking establishments, including cafeterias, delis, bakeries, mobile food	1,202	1,148
3	Paint Facilities	Manufacturing and retailing	1	1
4	Dry Cleaners	Dry cleaners	0	0
5	Cleaning Services	Mobile washers, building cleaning, carpet cleaning	332	376
6	Pesticide Facilities	Manufacturing and retailing; pesticide applicators	8	8
7	Machine Shops	Industrial machinery and equipment	98	101
8	Metal Manufacturing	Metal fabricating, finishing, plating, metal work (40 CFR 413, 433)	72	62
9	Electric/Electrical Components	Manufacturing (40 CFR 469)	206	206
10	Construction/ Building	Retail, trade contractors, construction, landscape and garden businesses	409	467
11	Local Transit; Highway Transport	Electric, Gas and Sanitary Services, Trucking Industries	197	201
12	Recycling yards	Assembling, breaking up, sorting and wholesale distribution of scrap and waste materials. This includes auto wreckers engaged in dismantling automobiles for scrap.	28	25
13	Auto Dismantlers	Dismantling motor vehicles for the purpose of selling parts.	5	4
14	Concrete/Stone/Clay Products	Manufacturing cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, and other products from materials taken principally from the earth in the form of stone, clay and sand.	35	34
15	Corporation Yards	PG&E, Caltrans, School bus, VTA, Municipal	0	0
16	Landfills	Dumps; Garbage collecting, destroying and processing; Landfill; Rubbish collection and disposal.	8	7
17	Wood Furniture & Other Products	Manufacturing finished articles made entirely or mainly of wood or related materials.	36	37
18	Chemical Manufacturing	Manufacturing/producing basic chemicals, chemical products to be used in further manufacture (synthetic fibers, etc.) and finished chemical products to be used for ultimate consumption or as materials or supplies in other industries (such as cosmetics, soaps, fertilizers)	10	9
19	Misc. Manufacturing	Caskets, Furniture, Glass, Jewelry/Precious Metal, Manufacturing Industries-NEC, Medical, Office & Store Fixtures, Paper, Petroleum & Coal, Pharmaceuticals, Rubber & Plastics, Signs, Toys & Sports	112	111
20	Other	Other includes: Air Conditioning Services, Amusement Parks, Chiropractors, Commercial Areas, Florist, Hazardous Waste, Laboratories, Laundries, Medical and Dental Labs, Miscellaneous, Petroleum Pipelines, Petroleum Refining, Photographic/Printing, Property Management, Radiologists, Steam Electric Power Generation (per permit), Storage, Veterinarians, Welding/Iron Works, Welding Repair, Winery, and Underground Storage Tanks and unspecified SIC Code.	182	185
TOTAL			3,490	3,506

Companies Requiring NOI Based on SIC But Have Not Filed

Facility Number	SIC	Business Name	St Num	Dir	Street Name	Type		Blgd
12305	3281	The BARRAGANS	1761		Junction	Ave		
14942	4950	SAN JOSE METALS	1032	N	10th	St		
15865	3200	MARBLE MAN, THE	825	N	10th	St		
15869	3200	FIRE CLAY TILE	495	W	Julian	St		
35227	2400	NIGRO, A.P., WOODWORKING	140		Lewis	Rd	Suite	4
35385	2400	KNOCK ON WOOD	523		Horning	St		
36616	2400	RIZZUTO, TONY WOOD WORKING	5672		Park Crest	Dr		

Companies Requiring NOI Based on Exposure But Have Not Filed

Facility Number	SIC	Business Name	St Num	Dir	Street Name	Type		Blgd
840	4111	Santa Clara County Trans. Agency 7th	2240	S	7th	St		
967	2653	Golden Bear Packaging, Inc.	740	N	10th	St		
8996	2434	BUTCH'S WOODWORKING	1729		Angela	St		
10074	2051	ALBERTSONS #7152	1409		Bird	Ave		
11789	4151	SAN JOSE UNIFIED SCHOOL DISTRICT	222		Unified	Way		
12055	3446	TECHNIBUILDERS IRON INC	1049		Felipe	Ave		
12469	3999	SNAP-ON DIAGNOSTICS	1879		Senter	Rd		
12616	4212	NEVIL STORAGE	1895	S	10th	St		
12809	2700	EMINA	4006		Hamilton Park	Dr		
13001	3400	PRO METAL WORKS AKA P M W	943		Berryessa	Rd		
13162	4212	MY DADS MOVING ASSISTANCE	4351	W	Latimer	Ave		
13204	3540	ASP ENGINEERING	5893		Winfield	Blvd		
13338	4212	L & L DELIVERY SERVICES	6130		Monterey	Hwy		
13395	3570	PICTRON	1475		Saratoga	Ave		
13414	4119	ANGEL LIMOUSINE SERVICE	220		Vineyard	Dr		
13487	2500	QUICKSILVER MODULAR OFF INST	21230		Bertram	Rd		
13559	4225	HILLSDALE SELF STORAGE	3510		Charter Park	Dr		
13586	3500	AU, BINH	500		Crosslees	Dr		
13719	4212	LS HAULING & BOBCAT SERVICES	128	S	24th	St		
13965	4212	RUSSELL'S	1245	N	5th	St		
14074	4119	SAN JOSE EXPRESS SHUTTLE	3200		Payne	Ave		

Facility Number	SIC	Business Name	St Num	Dir	Street Name	Type	Blgd	
14620	2080	MIRASSOU SALES	3000		Aborn	Rd		
14795	2000	SILVA SAUSAGE	1266	E	Julian	St		
15025	4212	NO PROBLEM MOVERS	806		Midvale	Ln		
15066	3444	KC SHEETMETAL	943		Berryessa	Rd		
15664	3540	K&H LAB INC	2744		Aiello	Dr		
15808	2434	AGAINST THE GRAIN CUSTOM CAB	1716		Stone	Ave		
16113	4119	SOUTH/EAST BAY AIRPORT SHTL	5759	S	Winfield	Blvd		
16181	3999	ROBECK'S WELDING & FABRICAT	1150		Mabury	Rd		
16296	3400	BEA N MAXIMAL	230		Umbarger	Rd		
16302	3540	DYNATEC MFG	3851		Charter Park	Dr		
16590	4120	CALIFORNIA CAB CO	505		Asbury	St		
16933	3999	SUNRISE TELECOM INC	302		Enzo	Dr		
16952	4214	SILICON VALLEY MOVING & STOR	4911		Spreckles	Ave		
17061	2500	PHANTOM MANUFACTURING	1011		Timothy	Dr		
17138	3400	BENCHMARK STEEL	701		Kings Row			
34732	3570	NETWORK DIMENSIONS INC	4627		Clarendon	Dr		
34808	3570	ELECTRONIC SOFTWARE PUB CORP	1361		Shelby Creek	Ct		
34874	4121	SINGH, BEANT	2697		Burlingame	Way		
34992	3570	RONDOSOFT INC	5233		Adalina	Ct		
35295	3999	SUNRISE TELECOM INC	302		Enzo	Dr	Suite	AA
35837	4225	A-1 SELF STORAGE	131		Baroni	Ave	Suite	A
35938	4225	BRANHAM SELF STORAGE	1056		Branham	Ln	Suite	A
36148	3570	SOUTH BAY SECURE WIFI LLC	1247		Redondo	Dr		
36215	3570	NEUROBATICS CORPORATION	1554		Brenner	Way		
36238	3570	EUREKA COMPUTING SOLUTIONS	424	N	3rd	St		
36258	4119	RONDA-VOO LIMOUSINE SERVICE	14831		Ronda	Dr		
36448	2741	GOOD TIMES DESIGN	1058		Foxhurst	Way		
36453	3570	TEDDY BEAR EDUCATION, INC	2986		Archwood	Cir		
36565	4225	BROKAW SELF STORAGE LLC	445	E	Brokaw	Rd		
36582	4225	PUBLIC STORAGE INC	1685		Aborn	Rd	Suite	A
36608	4119	SKY LARK LIMOUSINE	2519		Glen Ian	Ct		
36670	4121	YUSUF, ABDILLAHI	5354		Monterey	Rd	Suite	3
36845	3570	ENVY SYSTEMS	316		Gardenia	Dr		

3. NRD: New and Redevelopment

3.A NRD Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
NRD 1	Legal Authority The City of San José will have adequate legal authority to implement new development control measures, including all applicable requirements of Provision C.3, as part of its development plan review and approval procedures and other appropriate new development and redevelopment permitting procedures (Provision C.3.a.i).			
NRD 1.A	Revise Municipal Code to ensure adequate legal authority to implement new development control measures (C.3.a.i).	As Needed	Done FY 05-06. The City currently has adequate legal authority to implement new development control measures. City Council approved Policy 8-14 entitled Post-Construction Hydromodification Management on October 18, 2005. See 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW
NRD 2	Guidance to Developers The development community is provided with guidance on post construction measures as early in the application process as possible.			
NRD 2.A.1	Draft necessary revision(s) to Guidance Manual on Selection of Stormwater Quality Control Measures to allow incorporation of hydraulic sizing design criteria and provide to developers.	Done FY 02-03 Ongoing	Done FY 02-03 and ongoing. In FY 05-06 the City contracted with a consultant to further update the City's Guidance Manual on Selection of Stormwater Quality Control Measures to include more detailed guidance related to treatment and hydromodification. In addition, the SCVURPPP C.3 Handbook was updated.	PBCE, ESD, PW, RDA
NRD 2.A.2	Refine Guidance Manual on Selection of Stormwater Quality Control Measures to incorporate HMP measures, as necessary.	Done FY 05-06	Done FY 05-06. SCVURPPP drafted a chapter on HMP to their C3 Handbook. The chapter provides guidance on sizing criteria for HMP measures.	PBCE, ESD, PW, RDA
NRD 2.B	Provide development community with revised information and guidance materials concerning any adopted on site design, building permit requirements and hydraulic sizing design criteria and maintenance requirements for BMPs for stormwater treatment measures.	Done FY 02-03	Done FY 02-03 and ongoing. Revised information is provided by 1) printed status bulletin information sheets distributed by e-mail to the development community and as handouts at public information counter and at developer roundtables; 2) webpage updates; 3) inviting the development community to attend Program workshops and City sponsored Developers' Roundtables; and 4) biweekly meetings with the engineering consulting community. See 14.D: <i>PIP Activities</i> .	PBCE, ESD, PW, RDA
NRD 2.B.1	Coordinate with development community on proposed hydraulic sizing criteria for structural stormwater treatment measures and any proposed revisions to Guidance Manual and policy through workshops and regular meetings.	Done FY 02-03	Done FY 02-03. See NRD 2.B. above.	PBCE, ESD, PW, RDA
NRD 2.B.2	Update guidance material regarding maintenance responsibilities for any HMP measures.	Done FY 05-06	Done FY 05-06. SCVURPPP C.3 Handbook Chapter Six includes maintenance guidance that applies to HMP	PBCE, ESD, PW, RDA, Program

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			measures. In addition, the City updated and revised procedures for BMP O&M Verification Program. See NRD 8 for details.	
NRD 3	CEQA Requirements Environmental documents required for those projects that fall under CEQA or NEPA review, such as EIRs, negative declarations, and initial study checklists, will address: 1) Stormwater quality impacts for land development during construction and after construction has been completed (both significant and cumulative); 2) Required permits, and 3) Specific mitigation measures related to stormwater quality.			
NRD 3.A	Review and evaluate the City's Environmental Review procedures to improve the review for water quality impacts and identification of mitigation measures. (Provision C.3.m.)	Done FY 02-03	Done FY 02-03. The City uses the existing Office of Public Research initial study checklist questions. Separate guidance text developed in coordination with the Program for addressing water quality impacts and identification of mitigation measures is posted on the website.	PBCE, ESD, PW, RDA
NRD 3.A.1	Identify areas where new or additional water quality review processes and related documents or checklist questions are needed and propose schedule for revision.	Done FY 02-03	Done FY 02-03. See NRD 3.A.	PBCE, ESD, PW, RDA
NRD 3.A.2	Refine and update areas where new or additional water quality related mitigation measures may be needed.	Done FY 05-06	Done FY 05-06. The Environmental Clearance Application has been updated to include additional steps to allow City Staff more time to review and educate applicants on including treatment and hydromodification measures.	PBCE, ESD, PW, RDA
NRD 3.B.	Report on revisions made to environmental review process.	Done FY 02-03	Done FY 02-03. See NRD 3.A.	PBCE, ESD, PW, RDA
NRD 4	Project Mitigation Measures and Design Requirements Developers of projects will be required by the City of San José to mitigate stormwater quality impacts to the maximum extent practicable, through proper site planning and design techniques and/or addition of permanent stormwater quality control measures.			
NRD 4.A	Revise current Policy on Post-Construction Urban Runoff Management as necessary to incorporate minimum BMP requirements for all projects.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA, CAO
NRD 4.B.	Review and modify development permit approval procedures as necessary for adopted revisions.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA
NRD 4.C	Review the design standards and guidance for opportunities to make revisions that would result in reduced impacts to water quality and summarize how they were incorporated into approval procedures.	Done FY 03-04	Done FY 03-04	PBCE, ESD, PW, RDA
NRD 4.D	Review the existing source control measures contained in site design standards, guidance documents and conditions of approval for opportunities to limit stormwater pollution. (Provision C.3.k.)	Done FY 03-04	Done FY 03-04 in coordination with the Program.	PBCE, ESD, PW, RDA
NRD 4.E	Review General Plan and revise as necessary to	FY 02-03	Done FY 03-04. In FY 05-06, the General Plan was	PBCE

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	incorporate water quality and watershed protection principles and policies, and summarize revisions made. (Provision C.3.l.)		revised to allow high-density development in North San Jose. EPA research indicates that high-density developments produce less runoff per person than low-density developments and help to protect water quality.	
NRD 4.F	Review the design standards and guidance for opportunities to make revisions that would result in reduced impacts to water quality and summarize how they were incorporated into approval procedures. Such revisions are listed in Provision C.3.j.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA
NRD 4.F.1	Identify and document existing site design standards and guidance documents and policies.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA
NRD 4.F.2	Revise Site Design Measures and Standards, if necessary.	Done FY 03-04	Done FY 03-04. City staff continues to work with the engineering community and consultants to explore street right-of-way widths and alternatives to curb and gutter requirements. Treatment BMPs and long-term maintenance solutions are also being discussed. See 4.B: <i>NRD Program Evaluation</i> for details. Staff continued to participate in the Water Resources Protection Collaborative workgroup and developed siting and site design standards for projects in proximity to streams and creeks. Stormwater and erosion protection requirements were also considered.	PBCE, ESD, PW, RDA
NRD 5	Group 1, 2 and HMP Project Requirements Developers of Group 1, 2, and HMP projects will be required by the City of San José to mitigate stormwater quality impacts to the maximum extent practicable, in conformance with Policies 6-29: <ul style="list-style-type: none"> • Site design shall include measures to minimize impervious land coverage, maximize infiltration (where appropriate and designed to protect groundwater quality) and provide detention or retention as part of landscaping where feasible (C3.b.i and C.3.j); • Source controls shall be required to limit pollution generation, discharge, and runoff as appropriate (C.3.k), including measures to discourage pesticide use (C.9.d.ii); • Stormwater treatment measures shall be designed in accordance with the numeric design criteria in Provision C.3.d; • Increases in peak runoff flow and volume shall be managed for appropriate projects by implementing the guidance in the Program's Hydromodification Plan (HMP) for the specific stream receiving the discharge, following approval of the HMP by the Water Board (C.3.f). 			
NRD 5.A.1	Propose revisions to current Policy 6-29 on Post-Construction Urban Runoff Management as necessary to incorporate hydraulic sizing design criteria.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA, CAO
NRD 5.A.2	Revise current Policy 6-29 on Post-Construction Urban Runoff Management as necessary to incorporate hydraulic sizing design criteria.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA, CAO
NRD 5.A.3	Revise policy as needed for Group 2 implementation	Done FY 04-05	Done FY 04-05. Further modifications to Policy 6-29 to phase in Group 2 in August 2006 were drafted.	PBCE, ESD, PW, RDA, CAO
NRD 5.A.4	Revise policy as needed for HMP implementation.	FY 05-06	Done FY 05-06. Policy 8-14 : Post-Construction	PBCE, ESD, PW, RDA,

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ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			Hydromodification Management was approved by Council on October 18, 2005.	CAO
NRD 5.B	Develop list of Annual Reporting requirements from Provision C.3 Design data tracking needs and protocols.	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA, CAO
NRD 5.B.1	Compile a list of new development and redevelopment projects by name, type of project, site acreage, site acreage or square footage, square footage of new impervious surface, treatment BMPs and numeric sizing criteria used for applicable projects. Also, list the source control and pesticide reduction measures.	Annually	Done and ongoing. See Section 3.D: <i>Significant Development Projects Reviewed and/or Approved During July 1, 2005 – June 30, 2006.</i>	PBCE, ESD, PW, RDA
NRD 5.C	Revise and update permitted alternatives to numeric sizing through Alternative Measures Program in Policy 6-29.	Done FY 04-05	Done FY 04-05	PBCE, ESD, PW, RDA
NRD 5.C.1	Report to City Council on Alternative Measures Program revisions in Policy 6-29. (Provision C.3.g.)	Done FY 04-05	Done FY 04-05	PBCE, ESD, PW, RDA
NRD 5.C.2	Track name and location of projects in the Alternative Measures Program, project type and size, percent impervious surface, reason for granting waiver, terms of waiver, equivalent benefit provided, alternative treatment project or regional project receiving the benefit and date of completion of the alternative treatment project or regional project (Provision C.3.g).	Annually	None submitted in FY 05-06.	PBCE, ESD, PW, RDA
NRD 5.C.3	Report to City Council on projects approved with numeric sizing alternatives through Alternative Measures Program. (Provision C.3.g.)	Annually	N/A in FY 05-06.	PBCE, ESD, PW, RDA
NRD 5.D	Draft post-construction treatment BMP certification procedures. (Provision C.3.h)	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA
NRD 5.D.1	Track name and location of projects subject to certification (Provision C.3.h)	Annually	Done FY 05-06 and ongoing. See Section 3.D: <i>Significant Development Projects Reviewed and/or Approved During July 1, 2005 – June 30, 2006.</i>	PBCE, ESD, PW, RDA
NRD 5.E	Participate on SCVURPPP's Hydromodification Management Plan work group and develop procedures for limiting peak stormwater runoff discharge rates from development projects. (Provision C.3.f.)	Done FY04-05	Done FY 04-05 and ongoing as needed. City staff participated regularly on the Program's Hydromodification Implementation Plan work group. In May, the workgroup participated in beta testing for the Bay Area Hydrology Model (BAHM). The software incorporates user friendly hydrology and hydraulic methods to size and install HMP based measures. Additionally, the City added on 0.5 FTE in PW to focus on HMP implementation, including technical design.	PBCE, ESD, PW, RDA

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ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
NRD 5.F.1	Review and modify development approval procedures and standard operating procedures as necessary to incorporated requirements for:	N/A	N/A	PBCE, ESD, PW, RDA
NRD 5.F.1	a. Group 1	Done FY 03-04	Done FY 03-04	
NRD 5.F.1	b. Group 2	Done FY 04-05	Done FY 04-05	
NRD 5.F.1	c. HMP	FY 05-06	Done FY 05-06. Staff revised standard operating procedures (SOPs) for Planning, PW Clearance and Building permits, which included guidance on implementing HMP.	
NRD 5.F.2	Update and refine criteria & checklist to aid Department of Planning, Building & Code Enforcement & Department of Public Works planners & engineers in determining whether a development project should be required to incorporate post-construction treatment control measures & their related operation and maintenance requirements.	N/A	N/A	PBCE, ESD, PW, RDA
NRD 5.F.2	a. Group 1	Done FY 03-04	Done FY 03-04	
NRD 5.F.2	b. Group 2	Done FY 04-05	Done FY 04-05	
NRD 5.F.2	c. HMP	Done FY 05-06	SCVURPPP drafted a new chapter in their C.3 Handbook, which included a flow-chart/checklist to guide applicants in selecting and sizing of HMP based measures.	
NRD 5.F.3	Update and refine standard conditions of approval as necessary to ensure proper selection, design of and installation of structural stormwater treatment measures per Provision C.3.b., c., d., as necessary.	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA
NRD 5.F.3	a. Group 1	Done FY 03-04	Done FY 03-04.	
NRD 5.F.3	b. Group 2	Done FY 04-05	Done FY 04-05.	
NRD 5.F.3	c. HMP	Done FY 05-06	Standard Conditions of Approval have been updated to include language pertinent to HMP City Policy 8-14. Projects need to comply with HMP measures depending on their size & the nature of watershed they are located in.	
NRD 5.G	Develop & propose enhanced reporting format for documenting use of pesticide reduction measures at development sites. (Provision C.3.n. & C.9.ii.)	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA
NRD 5.G.1	Based on City's Pesticide Management Plan, establish criteria for tracking percentage of new development projects for which pesticide reduction measures were required & begin tracking. (Provision C.3.n. & C.9.d.ii)	Done FY 03-04 Implementation Ongoing	Done FY 03-04 and ongoing. See 3.D: <i>NRD Summary Tables / Additional Information.</i>	PBCE, ESD, PW, RDA
NRD 5.h	Implement any new adopted development conditions of approval, and procedures to developments with significant stormwater pollution potential. (Provision	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	C.3.b.)			
NRD 6	Developer Conformance with State Requirements Developers of projects that disturb a land area of one acre or more are required by the City to demonstrate conformance with the State General Construction Activity Stormwater Permit including filing of NOI, development of a SWPPP, et al.			
NRD 6.A	Include as condition of approval for projects that disturb a land area of one acre or more, a requirement to demonstrate coverage under the State General Construction Activity Stormwater Permit.	Done FY 02-03	Done FY 02-03.	PBCE, PW, RDA
NRD 6.B	Track the projects that contained above condition of approval.	Done FY 02-03 See CON Program Element.	Done FY 02-03 and ongoing.	PBCE, PW, RDA
NRD 7	Developer Erosion Control Plans Developers of projects with potential for significant erosion and planned construction activity during the wet season are required by the City of San José to prepare and implement an effective erosion and/or sediment control plan or similar document prior to the start of the wet season.			
NRD 7.A	Include as a condition of approval for applicable projects a requirement to prepare and implement an erosion and sediment control plan.	Done FY 02-03	Done FY 02-03 and ongoing.	PBCE, PW, RDA
NRD 7.B	Track the projects that contained above condition of approval.	Done FY 02-03 See CON Program Element.	Done FY 02-03 and ongoing.	PBCE, PW, RDA
NRD 8	Operation and Maintenance for Structural Stormwater Controls Developers of projects that include installation of permanent structural stormwater controls are required by the City of San José to establish and provide a method for operation and maintenance of such structural controls.			
NRD 8.A	Work with SCVURPPP to develop guidance for implementing O&M Program.	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA
NRD 8.B.1	Draft summary of details of operation and maintenance verification program: organizational structure, evaluation, proposed improvements, inspections and follow-up, including criteria for setting priorities. (Provision C.3.e.)	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA
NRD 8.B.1.b	Conduct pilot inspection program to inspect treatment BMPs that were constructed prior to numeric sizing requirements. The intention of the pilot program is to assess workload impacts, data tracking and collection methods, and funding for O&M programs and to use this information to revise the O&M program	Done FY 05-06	Done FY 05-06. In February 2006, staff inspected constructed projects that included treatment BMPs. These projects were approved prior to numeric sizing requirements; however, staff used this information to develop a revised O&M verification program.	PBCE, ESD, PW, RDA
NRD.8.B.2	Revise and update draft summary of details of operation and maintenance verification program: organizational structure, evaluation, proposed improvements, inspections and follow-up, including criteria for setting priorities as necessary. (Provision	Done FY 05-06	See 3.D: <i>SOP for BMP O&M Verification Program</i> for details. See also 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	C.3.e.)			
NRD 8.C.1	Include as a condition of approval a requirement that developers of projects that include installation of permanent structural stormwater controls are required to establish and provide proof of operation and maintenance of such structural controls.	Done FY 03-04	Done FY 03-04.	PBCE, ESD, PW, RDA
NRD 8.C.2	Revise and update condition of approval requirement that developers of projects that include installation of permanent structural stormwater controls are required to establish and provide proof of operation and maintenance of such structural controls as necessary.	Done FY 05-06	Done FY 05-06. Existing conditions of approval, policies, and ordinance requirements were reviewed and are sufficient.	PBCE, ESD, PW, RDA
NRD 8.C.3	Develop model permit conditions with fact sheets to include in use permits where appropriate.	Done FY 02-03	Done FY 02-03 in coordination with the Program.	PBCE, ESD, PW, RDA
NRD 8.C.4	Compile a list of projects & responsible operators subject to C.3.e. provision.	Done FY 03-04 Annually thereafter	Done FY 03-04 and ongoing.	PBCE, ESD, PW, RDA
NRD 8.D	Track and compile a list of priority properties inspected and inspection results. (Provision C.3.e.iii.)	Done FY 03-04 Annually thereafter	Done FY 03-04 and ongoing.	PBCE, ESD, PW, RDA
NRD 8.D.1	Determine criteria for setting priorities for inspection of structural stormwater treatment measures & inspection frequency	Done FY 02-03	Done FY 02-03. In FY 05-06 inspection criteria were updated and are reflected in the revised O&M Verification Program. See 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA
NRD 8.D.2	Update and revise criteria for setting priorities for inspection of structural stormwater treatment measures & inspection frequency as necessary.	Done FY 05-06	Done FY 05-06. In FY 05-06 inspection criteria were updated and are reflected in the revised O&M Verification Program. See 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA
NRD 8.D.3	Develop local inspection program for verification of proper O&M.	Done FY 02-03	Done FY 02-03	PBCE, ESD, PW, RDA
NRD 8.E.4	Update and revise local inspection program for verification of proper O&M.	FY 05-06	Done FY 05-06. In FY 05-06 inspection criteria were updated and are reflected in the revised O&M Verification Program. See 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA
NRD 9	Applicability to Public Projects The City of San José will include stormwater quality control measures during and after construction, appropriate for each municipal capital improvement project, and that contractors comply with stormwater quality control requirements during construction activities.			
NRD 9.A	Develop and implement a process to ensure that municipal capital improvement projects install structural stormwater quality control measures as necessary.	Done FY 02-03	Done FY 02-03. In FY 05-06 the City hired one full-time Engineer II position to provide in-house consultation on BMPs for public projects and to conduct small group training on the design, construction and operation and maintenance of stormwater controls.	PBCE, ESD, PW, RDA
NRD 9.A.1	Participate on SCVURPPP work group tasked with developing a technical guidance document for use by municipal staff to ensure that the document includes standard specifications and details, sizing methodologies, & model conditions of approval	Done FY 02-03	Done FY 02-03. San José staff has participated and continues to participate in all Program work groups.	PBCE, ESD, PW, RDA

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	acceptable for use in City projects as necessary. (Provision C.3.b. & d.)			
NRD 9.A.2	Review and revise Redevelopment Agency Project Request for Proposal procedures as necessary to comply with revised Provision C.3. requirements. (Provision C.3.c.)	Done FY 03-04	Done FY 03-04.	PBCE, RDA
NRD 9.A.3	Review and Revise Public Works Capital Improvement Project approval procedures and Road Improvement Project approval procedures as necessary to comply with revised Provision C.3. requirements. (Provision C.3.c.)	Done FY 02-03	Done FY 02-03.	PBCE, ESD, PW, RDA
NRD 9.B	Review, evaluate, and modify the procedures, as necessary.	Done FY 03-04	Done FY 03-04. Procedures were drafted to incorporate hydromodification controls. See NRD 2.A.2.	PBCE, ESD, PW, RDA
NRD 9.C	Begin tracking required data on public projects subject to Provision C.3. hydraulic sizing criteria requirements for Annual Report.	Done FY 03-04 Ongoing	Done FY 03-04 and ongoing. In FY 06-07 the City plans on modifying the existing software used to track Capitol Improvement Projects to better track projects with treatment or HMP measures.	PBCE, PW, RDA
NRD 9.D	Monitor development of City's Green Building program for opportunities to discourage architectural use of copper in development projects (Prov. C.9.a.) and to incorporate urban runoff considerations.	Done FY 02-03 Ongoing	Done FY 02-03 and ongoing. ESD has a dedicated LEED certified staff person who reviews public projects and advises City staff on Green Building materials and techniques, including discouraging architectural use of copper.	PBCE, ESD, PW, RDA
NRD 10	City Staff Training Key City staff is trained on planning procedures, policies, design guidelines, and BMPs for stormwater pollution prevention annually.			
NRD 10.A	Provide training to Planning and Public Works staff on planning procedures, policies, design guidelines, and BMPs for stormwater pollution prevention. (Provision C.3.a.vi.)	Ongoing	Done FY 05-06 and ongoing. The City added one full-time Engineer II position to provide in-house consultation on BMPs, O&M research and to conduct small group training in the design of stormwater controls. Additionally, ESD staff developed and posted an internal stormwater intranet site that compiles a number of post-construction stormwater related resources for City staff. See 13.D: <i>Municipal Employee Training Summary</i> and 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA
NRD 10.B	Provide training to Redevelopment Agency and Department of Transportation staff on planning procedures, policies, design guidelines, and BMPs for stormwater pollution prevention. (Provision C.3.a.vi.)	Ongoing	Done FY 05-06 and ongoing. In FY 05-06 ESD staff developed and posted an internal stormwater intranet site that compiles a number of post-construction stormwater related resources for City staff. See 13.D: <i>Municipal Employee Training Summary</i> and 3.B: <i>NRD Program Evaluation</i> for details.	PBCE, ESD, PW, RDA, DOT
NRD 10.C	Revise the training protocol to incorporate any newly adopted Provision C.3. permit requirements and related	As needed	Done FY 03-04 and ongoing in coordination with the Program.	PBCE, ESD, PW, RDA

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	revised procedures.			
NRD 10.D	Train staff responsible for design review on pest-resistant landscaping techniques and model conditions of approval and the importance of minimizing pesticide use in runoff from development sites. (Provision C.3.n. and Provision C.9.d.ii)	Ongoing	Done FY 05-06 and ongoing in coordination with the Program. See 13.D: <i>Municipal Employee Training Summary</i> for details.	PBCE, ESD, PW, RDA
NRD 11	Development Plan Review and Approval Procedures Effectiveness Evaluation The City of San José will review and evaluate the effectiveness of its development plan review and approval procedures.			
NRD 11.A	Evaluate and incorporate any needed improvements in review and approval process.	Annually	Done FY 05-06. See 3.B: <i>NRD Program Evaluation</i> .	PBCE, ESD, PW, RDA
NRD 11.B	Document and evaluate what worked well and what needs improvement.	Annually	Done FY 05-06. See 3.B: <i>NRD Program Evaluation</i> .	PBCE, ESD, PW, RDA

3.B NRD Program Evaluation

Post-Construction Hydromodification Management Policy 8-14

Policy 8-14 entitled Post-Construction Hydromodification Management was approved by the City Council on October 18, 2005 in response to the Water Board adoption of an amendment to the permit adopted on July 20, 2005. Policy 8-14 is the City's primary implementation tool of hydromodification requirements. The policy requires the management of development-related increases in peak runoff flow, runoff volume and duration ("hydromodification"), where such hydromodification is likely to cause increased erosion, silt pollutant generation, or other impacts to beneficial uses of local rivers, streams and creeks. Policy 8-14 supplements stormwater treatment requirements in Policy 6-29 entitled "Post-Construction Urban Runoff Management," but Policy 8-14 is applied only to a limited part of the City.

The key provisions in the Policy are: 1) General Guidelines, 2) Performance Criteria, and 3) Cost Considerations.

General Guidelines

The Policy establishes the following general guidelines:

- No development related-increases in the erosion potential of the receiving stream over the pre-project (existing) condition, where such increase is likely to impact beneficial uses;
- All projects that create or replace one acre or more of impervious surface area are encouraged to install Post-Construction HCMs (hydromodification control measures);
- Projects which are also required to install post-construction treatment control measures (TCMs) under Policy 6-29 are encouraged to install TCMs with flow control benefits;
- The limitations on the use of infiltration measures and groundwater protection measures contained in Policy 6-29 shall apply to infiltration based HCMs;
- Post-construction HCMs may include a combination of on-site, off-site (same drainage area) and in-stream measures; and
- All post-construction HCMs must be maintained to operate effectively.

Performance Criteria

The Policy establishes three tiers of performance criteria for: 1) large projects on sites greater than 20 acres, 2) smaller projects on sites less than 20 acres, and; 3) impracticability due to cost considerations.

Full Flow Duration Control – For projects located in relatively undeveloped subwatersheds, such as the eastern fringe of the City and Coyote Valley, the Policy requires all projects located on sites equal to or greater than 20 acres to match pre-project erosion potential by controlling both the volume and duration of stormwater runoff—a concept called “flow duration control.” Essentially, flow duration control requires the post-project runoff pattern to match the pre-project runoff pattern. Generally, a detention basin or underground vault of some type would be required to meet this criteria and extensive modeling would be required to demonstrate compliance. These same criteria would apply to the largest sites (50 acres and above) in subwatersheds that have a significant level of existing development (90% or greater built out) and 65% or less existing impervious surface area.

Small Projects - The SCVURPPP HMP Final Report and the Permit recognize that it is not practicable for all projects to match pre-project runoff rates. The Policy therefore establishes two other tiers of performance criteria, which apply to “Small Projects” (project site size of less than 20 acres) and projects where matching pre-project runoff rates is found to be “impracticable” because the overall cost of stormwater control measures exceeds 2% of project construction costs.

The Policy requires Small Projects to provide flow control through the use of appropriate site design, source control, and treatment control measures with flow control benefits to the maximum extent practicable, and where available to use off-site and/or in-stream controls for flow control. This criteria would allow Small Projects to use small scale, distributed stormwater management techniques such as bioretention facilities, infiltration trenches, filter strips, vegetated swales and multi-functional landscape areas to achieve treatment and flow reduction and would permit these projects to demonstrate compliance based on a discrete storm event rather than through modeling of the runoff pattern.

Cost Considerations

The Policy establishes both a standard for defining when excessive costs may make compliance impractical, and performance criteria for projects that demonstrate impracticability based on cost. If the combined construction cost of both required HCM and TCM measures exceeds 2% of the project construction cost (excluding land costs), based on cost documentation submitted by the project applicant, the City may determine that compliance with the first two tiers of performance criteria is impracticable. A finding of impracticability does not exempt the project from implementing flow control, however. Where a finding of impracticability based on costs is made, the project must include such HCM control measures on-site and contribute to such in-stream or off-site HCM measures as may be available, to the extent such measures can be provided, along with all required TCMs for 2% or less of project costs.

Exemptions

The Policy incorporates an HMP Map that illustrates how the Performance Criteria apply in different areas of the City. Under the Policy, a project would be exempt from HMP requirements if it meets any of the following conditions:

- 1) The project does not increase the impervious area of a site. An example would be commercial centers that were constructed prior to current landscape standards that are generally characterized by large surface parking lots, single-story buildings, and limited landscape areas. If these sites redevelop, the projects would be subject to current landscape standards, and consequently the redevelopment is likely to result in less impervious surface than the existing condition.
- 2) The project discharges to a stream segment that is either tidally influenced or hardened to the Bay. Such projects discharge to areas that are not susceptible to erosive impacts from increases in flows from development. These areas are depicted on the HMP Map attached to the Policy.
- 3) Projects draining to an underground storm drain that discharges directly to San Francisco Bay.
- 4) Projects that demonstrate, upon completion of stream-specific and modeling studies that are consistent with the method used in the HMP Report and its supporting technical documents, that there will be no increase in potential for erosion or other adverse impact to beneficial uses to any State Waters.

Revised O&M Verification Program

During FY 05-06 City staff conducted a pilot inspection program of stormwater treatment measures that were designed and constructed prior to the current numeric sizing

requirements. Staff from the Watershed Protection Division inspected and evaluated several sites in San Jose. TCMs inspected included pervious concrete, disconnected downspouts, rocky swales, vegetated swales, and retention basins. The SCVURPPP Standard Stormwater Treatment BMP Inspection Data Collection Form was completed for all project sites. The site inspections showed that these forms can be used effectively in the future to assist inspectors in performing the BMP O&M inspections. This inspection pilot program resulted in updating the City's O&M Verification Program in FY 05-06.

The updated O&M verification program incorporated elements from the Standard Operating Procedures for the City's IND Program. The O&M Program for Post-Construction BMPs requires inspection of all projects constructed the previous fiscal year. This will result in all treatment control measures being inspected their first year of operation. Subsequent inspections are based on the number of Areas of Concern (AOCs) such as improper installation and degree of damage that occurred due to lack of maintenance. This approach is very similar to the City's IND inspection program which works well in prioritizing inspections based on Areas of Concern. In FY 06-07 the EEDMS inspection database will be revised to reflect this program.

Training

The City has spent considerable time this fiscal year educating staff and increasing developers' awareness of C.3 Numeric Sizing Treatment Criteria and Hydromodification measures. City staff also visited several municipalities, both within and outside California, to further investigate new methods for stormwater treatment and flow control.

Green Roof Symposium

To increase awareness of green roofs, the City sponsored a Green Roof Symposium on Tuesday, June 13, 2006. The symposium was held at San José State University. City Councilmember Linda LeZotte opened the symposium. Samples of green roof designs from within and outside California were presented, as well as installation and maintenance of such products. The symposium helped attendees review barriers and opportunities facing green roof implementation, and the group came up with an action plan that proposed activities to facilitate green roof implementation.

Constructing, Maintaining and Inspecting Stormwater Treatment BMPs

SCVURPPP organized this one-day event and City staff participated as attendees and as presenters. Thirty employees from different departments such as ESD, PBCE, PW, DOT, GS and PRNS within the City participated. The City inspectors who attended felt the training would greatly assist in their future inspections.

BAHM Software Demonstration

A demonstration of the Bay Area Hydrology Model Software (Alameda version) occurred on Friday, May 19, 2006 at the San José/Santa Clara Water Pollution Control Plant. Several City staff from ESD, PW, and PBCE attended, along with members from the Santa Clara Valley Water District and other private firms who specialize in the design of hydraulic control structures. The class demonstrated how the software is a user-friendly model to assist designers of HMP facilities.

HMP StormCon

City staff from the departments of ESD, PW, BPCE and DOT attended a workshop entitled "A User-Friendly Hydrograph Modification Management Class" held by StormCON on May 12, 2006 in San Ramon. The interactive workshop illustrated how municipalities in Contra Costa County are requiring land developers to incorporate hydrograph modification management, as well as stormwater treatment, in compliance with the municipalities' updated stormwater National Pollutant Discharge Elimination System (NPDES) permit. Detailed case studies illustrated the Low Impact Development (LID) approaches, standard designs, and other tools the Contra Costa County Clean Water Program has created to help developers and municipal staff comply with the new requirements.

HMP 101

Based on City staff request to learn more about HMP measures, SCVURPPP conducted an entry level training course to introduce the subject to City staff from the departments of ESD, BPCE, and PW. The training was called HMP 101 and occurred on March 27, 2006 at the San José City Hall. The training was well received by staff and a more advanced HMP 201 is being considered for FY 06-07.

WMI-LUS Workshops

In addition to educating City staff and other municipalities in the Bay Area on NPDES permit requirements, the City of San José, in coordination with the Watershed Management Initiative's Land Use Subgroup (LUS) and SCVURPPP, organized two training workshops. The first workshop was entitled "How Creeks Affect Development" and was held on December 7, 2005. The second workshop was entitled "Making the Connection between Development and Water Resources" and was held on May 3, 2006. Protecting creeks and the Bay is a concept that many professional planners, engineers, and developers know about, but many need more background information

and guidance on implementation. Both workshops featured renowned speakers with expertise on the nature of the Santa Clara Basin watersheds as well as site-specific guidance on how developments can protect the watersheds. Both workshops also culminated in creek walks along nearby creeks. One creek walk was centered around a natural section of Coyote Creek and the second focused on an urbanized section of the Guadalupe River. Opportunities and challenges associated with development in these locations were discussed. The creek walks enabled attendees to make the connection between development and the watershed and were aimed at helping attendees to be better stewards of the various watersheds in the City.

One of the presentations, given by Robin Grossinger entitled "Using the Past to Understand the Contemporary Landscape: Emerging Lessons for Environmental Planning," emphasized the changes that happened in the past 100 years in the Santa Clara Basin and highlighted the importance of protecting our watersheds from urban growth. Mr. Ken Kortland of Sherwood Engineers spoke about Stormwater BMPs and treatment control measures using a watershed approach and included examples around the Bay Area, Northern California, and a couple of national and international examples that many attendees found inspirational.

Both workshops were well attended. Between the two workshops attendance exceeded 150. City staff from the departments of PW, PBCE, PRNS, DOT, ESD, and GS attended as well as many professionals from other municipalities, including Water Board staff.

Stormwater Vendor Products

Throughout FY 05-06, City staff from ESD, PBCE, PW, PRNS and DOT were also exposed to various types of stormwater products, which retain, detain, and treat stormwater. Presentations generally lasted about one hour and allowed time for staff to pose questions to the vendors. On two occasions, City staff went into the field with vendors to look at products that were recently installed. Additionally, City staff were exposed to vendor products at StormCon and SCVURPPP trainings.

City Staffing & Cost Implications to Implement Stormwater Treatment and Hydromodification Control Measures

Significant cost increases associated with implementation of the NPDES Permit C.3 provisions, including the HMP, were incurred in FY 05-06, impacting several City departments. Increased staffing costs were incurred for reviewing and commenting on Stormwater Control Plans, EIRs, Initial Studies, and drafting Policy 8-14. In addition, significant staff time was needed for both developing and attending training events. A large number of City staff from various departments is involved in many aspects of stormwater control and ongoing and increased training is anticipated to be necessary to keep staff apprised of the requirements for new and redevelopment. Additionally, staff turnover is high in some departments, which results in the need for ongoing training for new staff.

Where control measures are to be publicly owned and operated, funding sources to cover maintenance costs are still yet to be identified. Funding mechanisms discussed to-date have proven to be quite complex and problematic. City staff continue to investigate funding options. The issue of City maintenance costs continues to be of high importance. Maintenance costs are expected to increase substantially over time as more control measures are installed within the City. ESD has allocated funds in FY 06-07 to hire a consultant to evaluate funding options to address increased maintenance costs due to stormwater treatment and HMP measures. Meanwhile, staff continue to document the time required to implement the C.3 Provision requirements.

The City has also allocated funds in FY 06-07 for contractual support for the development of a Stormwater Treatment and Hydromodification Control Measures Guidance Manual for use by City staff, consultants, and developers.

3.C NRD Response to Water Board Comments

ITEM REFERENCE	WATER BOARD COMMENTS	SAN JOSÉ RESPONSE	CHANGES FOR FY 06-07 (IF APPLICABLE)
	<p>From Water Board comments on FY 04-05 Annual Report:</p> <p>San Jose's Significant Development Projects Table (pages 39-55): We appreciate San Jose including such comprehensive information for each project in this table. The table shows that of the 47 Group 1 projects approved by San Jose, 43 were exempted from installing hydraulically sized stormwater treatment BMPs (Provision C.3.d) because they were deemed complete prior to February 15, 2005, in accordance with San Jose's Policy (adopted 10/03). The remaining four projects were all funded prior to October 15, 2003 and</p>	<p>The City thanks the Water Board for their comments. The City is also pleased with the number of projects installing hydraulically-sized treatment BMPs.</p>	<p>None.</p>

	therefore exempt as well; however, three of them installed treatment BMPs that met the hydraulic sizing criteria in Provision C.3.d. In spite of so many projects being exempted, we are heartened to see that many of the projects did include treatment BMPs (e.g., swales, hydrodynamic devices, detention basins) and not just landscaping. This is evidence that outreach and education efforts are working. With the adoption of San Jose's revised Policy in 2005, we are hopeful that most of the projects reported in next year's Annual Report will have treatment BMPs that meet the requirements of Provision C.3.d.		
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3.D NRD Summary Tables / Additional Information

Significant Development Projects¹ Reviewed and/or Approved During July 1, 2005 – June 30, 2006

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
Private Development Projects						
PD06-024	Starbuck's Drive Thru & Retail Planned Development Permit to build 4,681 square feet for retail uses on a 0.63 gross acre site.	West side of South Winchester Boulevard, approximately 550 feet southerly of Stevens Creek Boulevard.	Retail commercial	0.63	0.44	6/21/2006
SITE DESIGN: Project involves significant exterior and interior remodel as well as expansion of an unoccupied Burger King restaurant. Parking lot to be completely reconfigured with stormwater from parking, circulation, drive-thru and roof draining to Stormwater Planters for treatment. Parking lot is 14,607 sq.ft. and therefore is a Land Use of Concern.	SOURCE CONTROL: Covered trash enclosure, street sweeping, disconnected downspouts, curb cuts to Stormwater Planters and swale in drive-thru lane.	TREATMENT BMPs: Vegetated swale, beneficial landscaping, and stormwater planters.	NUMERIC CRITERIA: Flow and volume based, deemed complete 4/14/2006. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD06-006	Almaden Skylark Townhomes Planned Development Permit to demolish existing structures and construct 32 single-family attached residential units on a 1.10 gross acre site.	West side of Skylark Drive, at the western terminus of Hummingbird Drive.	Single-family attached residential	1.10	0.79	5/3/2006

¹ Projects that 1) create or replace one acre or more of impervious surface area or 2) effective 5/17/05, create or replace 10,000 square feet or more of impervious surface area and are a Land Use of Concern.

PROJECT FILE NUMBER	PROJECT DESCRIPTION		PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
SITE DESIGN: Proposed development of 3 story townhomes with the majority built on a landscaped podium parking structure. Project reduces impermeable surface by 28% and provides water retention and treatment on site. Parking is over 10,000 sq.ft. and is a Land Use of Concern.		SOURCE CONTROL: Stenciled inlets, bicycle and motorcycle parking areas, and covered trash enclosures.	TREATMENT BMPs: Vegetated swales, interlocking unit pavers, tree planting, beneficial landscaping, and mechanical unit.	NUMERIC CRITERIA: Flow based, deemed complete 1/17/2006. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
PD06-001	Monterey Road Trumark Condominiums Planned Development Permit to construct 72 single-family attached residences on a 2.93 gross acre site.		East side of Monterey Highway, approximately 600 feet southerly of Umbarger Road.	Single-family attached residential	2.93	1.42	4/12/2006
SITE DESIGN: Project consists of 72 single-family attached residential units in six buildings four of which are clustered around four common private spaces with community buildings accessed by pedestrian patios. Vehicular access is provided via a private street with private drives providing access to individual garages. Ten vegetated swales provide the primary on-site treatment.		SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales and beneficial landscaping including tree planting.	NUMERIC CRITERIA: Flow based, deemed complete 1/3/2006. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
PD05-094	Almaden Walk Planned Development Permit to construct 56 single-family attached residences on a 2.33 gross-acre site.		East side of Almaden Road, approximately 150 feet north of Canoas Garden Avenue.	Single-family attached residential	2.33	1.57	6/7/2006
SITE DESIGN: Three story, single-family attached residential development with buildings clustered around shared pedestrian patios and private drives. Both cobbled and vegetated bioswales used for		SOURCE CONTROL: Stenciled inlets, covered trash enclosure, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Cobbled and vegetated swales, mechanical unit, tree planting, beneficial landscaping, interlocking unit pavers, and underground detention basin.	NUMERIC CRITERIA: Flow based, deemed complete 12/19/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are

PROJECT FILE NUMBER	PROJECT DESCRIPTION		PROJECT LOCATION		PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
stormwater treatment along with a mechanical unit.								posted on the City website.
PD05-087	Hitachi Campus & Santa Teresa Village Master Planned Development Permit to allow the demolition of existing buildings and the construction of a new public street network to allow the future construction of a residential, commercial, and industrial project on an approximately 332 gross acres.		Area generally bounded by Cottle Road, Monterey Highway, Highway 85 and Manassas Road.		Mixed-use transit village	332	220	6/2/2006
SITE DESIGN: While this permit covers only new roads, the Storm Water Management Master Plan for Hitachi estimates that ultimate build-out of the site will create 220 acres of impervious surface resulting in 66% impervious surface for the project site an increase of 12% (40 acres) over previous impervious surface. Plan includes two detention basins to meet water quality and quantity (HMP) standards.		SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, parking structures, disconnected downspouts, bicycle and motorcycle parking areas provided.	TREATMENT BMPs: Detention basins, mechanical units, vegetated swales, media filters, tree planting, beneficial landscaping, and interlocking unit pavers.	NUMERIC CRITERIA: Flow and volume based, deemed complete 11/18/2005. HMP: Required. Two detention basins.	O&M RESPONSIBILITY: Property owners and Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-084	Citation Homes' Autumnvale Towns Planned Development Permit to demolish existing structures and construct up to 104 single-family attached residential units on a 4.0 gross acre site.		Northeast corner of Autumnvale Drive and Trade Zone Boulevard.		Single-family attached residential	4.00	2.8	3/1/2006
SITE DESIGN: Project represents a 35% increase in impervious surface. Project consists of 12 buildings of single-family attached townhomes 3 stories tall including private parking garages on the first level. The units are split between those that face pedestrian patios and those that face existing public streets. Parking is		SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Curb cuts for runoff from at-grade parking to grassy swales, mechanical unit, tree planting, beneficial landscaping, and turf blocks for emergency vehicle access (EVA).	NUMERIC CRITERIA: Flow and volume based, deemed complete 11/14/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
	accessed by a private loop road. A total of 200 trees for the project are designed to act as on site treatment along with grassy swales.					
H05-054	Alum Rock Plaza Site Development Permit to demolish an existing structure and construct a 6,007 square-foot commercial building on a 0.48 gross acre site.	North side of Alum Rock Avenue, approximately 260 feet westerly of King Road.	Retail commercial	0.48	0.4	3/23/2006
SITE DESIGN: This small, one story retail commercial plaza includes an 11,441 sq.ft. parking lot (55% of the total site); which makes it a Land Use of Concern.	SOURCE CONTROL: Covered trash enclosure plumbed to sanitary, stenciled inlets, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Underground stormwater storage system and inlet filters.	NUMERIC CRITERIA: Volume based, deemed complete 11/8/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-082	Samaritan Drive Summerhill Homes Planned Development Permit to construct 202 single-family residences, consisting of 86 detached and 116 attached units, on a 13.4 gross-acre site and a minimum one-acre park.	Northeast corner of Samaritan Drive and Clydelle Avenue.	Single family attached and detached residential	13.4	6.68	6/23/2006
SITE DESIGN: Existing site is an industrial building surrounded by parking. New development of single-family detached and attached units clustered around shared pedestrian patios and common private drives with a public park centrally located on the site represents a 40% reduction in impervious surface on the site.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales, tree planting, beneficial landscaping, interlocking unit pavers, and roof drains to landscaped areas.	NUMERIC CRITERIA: Flow based, deemed complete 11/2/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-068	North 9th Street at Taylor Residential Development Planned Development Permit to demolish existing structures and construct 44 single-family detached residences on a 2.85 gross acre site.	East side of North Ninth Street between Taylor Street and Jackson Street.	Single-family detached residential	2.85	1.71	12/13/2005

PROJECT FILE NUMBER	PROJECT DESCRIPTION		PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
SITE DESIGN: Existing site is 93% impervious. Project will reduce impervious surface by 33%. Single-family detached housing clustered around shared pedestrian patios and drives.		SOURCE CONTROL: Stenciled inlets.	TREATMENT BMPs: Swales and mechanical unit, beneficial landscaping, and tree planting.	NUMERIC CRITERIA: Flow based, deemed complete 9/22/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
PD05-065	Quinn Retail Center Planned Development Permit to construct a 33,555 square foot neighborhood commercial center on a 2.51 gross acre site.		East side of Senter Road, approximately 200 feet northwesterly of Quinn Avenue.	IP	2.51	2.18	6/14/2006
SITE DESIGN: Retail shopping center represents a 13% reduction in impervious surface.		SOURCE CONTROL: Stenciled inlets, covered trash enclosures, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales and beneficial landscaping.	NUMERIC CRITERIA: Flow based, deemed complete 9/9/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
PD05-062	Curci Court Homes Planned Development Permit to construct 46 single-family attached residences on a 2.2 gross acre site.		Southeast corner of Curci Drive and St Elizabeth Drive.	Single-family attached residential	2.2	1.47	4/7/2006
SITE DESIGN: Project of 46 attached, 3 story single-family homes clustered around shared pedestrian patios and drives. Bioretention filter gardens are located in pedestrian patios.		SOURCE CONTROL: Stenciled inlets and disconnected downspouts.	TREATMENT BMPs: Tree planting, interlocking unit pavers, bioretention filter, beneficial landscaping, and mechanical units.	NUMERIC CRITERIA: Flow based, deemed complete 9/1/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
H05-042	Kim's Plaza Site Development Permit for an approximately 13,821 sq.ft., 2-story retail/office building on a 0.88 gross acre site.		Northwest corner of Story Road and McLaughlin Avenue.	Retail commercial and office plaza	0.88	0.7	3/15/2006
SITE DESIGN: Site was previously a gas station. Project is 80%		SOURCE CONTROL: Disconnected downspouts, street sweeping, and	TREATMENT BMPs: Two infiltration ponds and inlet filters with oil separators.	NUMERIC CRITERIA: Volume and flow based, deemed	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
	impervious and includes two infiltration ponds for treatment of roof and parking lot runoff. Parking lot is approximately 20,119 sq.ft. and therefore is a Land Use of Concern. The two story retail and office plaza includes a 4,400 sq.ft. second floor patio with 6 planters.	stenciled inlets.	complete 8/30/2005. HMP: N/A.	conformance with Section 20.95.120 of the Zoning Ordinance.	outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
H05-037	The Heritage Mixed Use Tower Site Development Permit to construct a residential and commercial building for a total of approximately 505,000 square feet, which includes approximately 203 attached residential units and 11,180 square feet of commercial uses in a 23-story high-rise stru	Northeast corner of Market & San Salvador Streets.	High-rise Residential Mixed-use in Downtown Core Area	1.02	1.02	1/6/2006
SITE DESIGN: A 23-story mixed use project consisting of residential, retail, and enclosed parking (6-stories, 1 below grade). An outdoor plaza for the residents is located on the 5th floor.	SOURCE CONTROL: Stenciled inlets, cover trash enclosures, covers and drains for loading docks and maintenance bays, swimming pool drains to sewer.	TREATMENT BMPs: Tree planting, mechanical unit, and inlet filters.	NUMERIC CRITERIA: Flow based, deemed complete 8/18/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-058	The Plant Planned Development Permit to construct approximately 615,571 sq.ft. commercial buildings for retail/office uses on a 55.4 gross acre site.	Northwest corner of Curtner Avenue and Monterey Highway (formerly GE).	Retail commercial shopping center	55.4	14.13	6/7/2006
SITE DESIGN: Previously GE site was approximately 90-100% impervious. The Plant is a commercial retail and office center that includes a park area and PG & E substation. Landscaped area is 472,927 sq.ft., parking and other hardscaped areas are 1,290,549 sq.ft., and office	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, and street sweeping.	TREATMENT BMPs: Tree planting, beneficial landscaping, mechanical units, and inlet filters.	NUMERIC CRITERIA: Flow based, deemed complete 8/4/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
and retail buildings are 638,340 sq.ft.						
CP05-046	Hostetter Costco Conditional Use Permit to allow the construction of an approximately 146,843 square foot wholesale facility, including the off-sale of alcoholic beverages and a gasoline station on a 12.49 gross acre site.	Northwest corner of Hostetter Road and Automation Parkway.	Retail Commercial Wholesale and gas station	13.55	11.17	6/1/2006
SITE DESIGN: The proposed commercial structure and gas station represents a 20% increase in impervious surface over the existing use. Landscaping at a ratio similar to the demolished industrial structure has been located throughout the site to collect stormwater runoff and some of the existing landscape has been retained.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, surface sweeping, canopy over gas station area, tire center storage and installation area fully enclosed within main structure.	TREATMENT BMPs: Landscape strips as vegetated swales and mechanical unit.	NUMERIC CRITERIA: Flow based, deemed complete 7/29/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-056	Lewis Road Residential Planned Development Permit to construct 75 single-family attached and 5 single-family detached residences on a 5.65 gross acres site.	Northwesterly side of Lewis Road approximately 210 feet southwesterly of Garden Avenue.	Single-family attached residential	5.65	2.31	5/3/2006
SITE DESIGN: Medium high density residential development of 5 single family detached units and 75 single family attached units in groups of 5 to 13 units clustered around shared private access drives and landscaped patios. Project includes vegetated swales, permeable paving surfaces, and infiltration swales. Parking areas (8,330 sq.ft.) and driveways (3,690 sq.ft.) are interlocking unit pavers.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales, infiltration swales, tree planting, beneficial landscaping, and interlocking unit pavers.	NUMERIC CRITERIA: Flow based, deemed complete 7/27/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
H05-034	Campisi Retail Center Site Development Permit to construct a 9,789 square foot building for commercial uses on a 0.61 gross acre site.	Northwest corner of The Alameda and North Morrison Avenue.	Retail commercial	0.61	0.56	11/30/2005
SITE DESIGN: Previously a vacant site, this project includes 13,217 sq.ft. of parking, a Land Use of Concern. Small commercial stores are located close to sidewalk consistent with the character of this neighborhood business district. Parking is located in the rear. Site is 93% impervious.	SOURCE CONTROL: Stenciled inlets, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Mechanical unit.	NUMERIC CRITERIA: Flow based, deemed complete 7/12/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner and Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-045	Oakwood Apartments Expansion Planned Development Permit to construct 84 single-family attached residences on a 1.6 gross acres site.	Southeast corner of Blackford Avenue and Saratoga Avenue.	Multi-family attached residential	1.6	1.27	9/28/2005
SITE DESIGN: Expansion of existing apartment complex adding 3 three-story apartment buildings (23,280 sq.ft.) and new parking lot (29,758 sq.ft.) representing a 62% increase in impervious surface on the site.	SOURCE CONTROL: Covered trash enclosures, stenciled inlets, and disconnected downspouts.	TREATMENT BMPs: Turf block and grass crete pavers, seven vegetated swales, and inlet filters.	NUMERIC CRITERIA: Flow based, deemed complete 6/22/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-044	Pestana Homes Planned Development Permit request to allow 98 single-family attached residences on a 4.8 gross acre site.	Northwest corner of Old Oakland Road and Rock Avenue.	Single-family attached residential	4.8	2.82	12/22/2005
SITE DESIGN: Project consist of 98 single-family attached residential units in 3-story 6-, 7-, 8-, and 9-plex buildings around a large common open space area used for recreation and stormwater control management through swales	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, bicycle and motorcycle parking areas provided, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales, interlocking unit pavers, turf track grass road pavers, bioretention filters, and infiltration basin.	NUMERIC CRITERIA: Flow and volume based, deemed complete 6/16/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
	at the perimeter and an infiltration basin at the center of larger grass area. Tufftrack grassroad pavers are used for EVA and interlocking unit pavers are used for parking and pedestrian areas.					
CP05-034	Story Road Home Depot Conditional Use Permit to replace an existing building with new construction of a building of 114,700 square feet and garden center of 34,768 square feet for retail commercial uses on a 12.85 gross acre site.	Northeast corner of Story Road and McGinness Avenue.	Retail commercial	12.85	12.21	3/24/2006
SITE DESIGN: Site is an existing big box retail store in a shopping center adjacent to a channelized creek. The existing structure will be demolished and replaced with a Home Depot with a garden center and reconfigured parking lot with new landscaping placed on the perimeter of the site especially near the creek.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, and street sweeping.	TREATMENT BMPs: Vegetated swale, mechanical unit, tree planting, and beneficial landscaping.	NUMERIC CRITERIA: Flow based, deemed complete 6/9/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-041	Willow Glen patio Planned Development Permit to construct 206 single-family attached residences on a 8.75 gross acre site.	Westerly side of Meridian Avenue, northerly of Foxworthy Avenue.	Single-family attached residential	8.75	4.84	9/19/2005
SITE DESIGN: Existing commercial shopping center is nearly 100% impervious. Project of 206 single-family attached housing units clustered around shared pedestrian and vehicular access roads and paths. 55,452 sq.ft. of impervious pavement and concrete drains to bioswales	SOURCE CONTROL: Stenciled inlets, street sweeping, parking structure drains to sanitary, bicycle and motorcycle parking areas provided.	TREATMENT BMPs: Bioswales, tree planting, beneficial landscaping, mechanical unit, and grass crete pavers for EVA area.	NUMERIC CRITERIA: Flow based, deemed complete 6/7/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

PROJECT FILE NUMBER	PROJECT DESCRIPTION			PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
for filtration.								
PD05-035	Virginia Terrace Residential Townhomes Planned Development Permit to construct 147 single-family attached residences on a 3.69-gross acre site.			Generally bounded by East Virginia Street to the north, south 6th Street to the east, Martha Street to the south, and South 5th Street to the west.	Single-family attached residential	3.69	3.43	8/15/2005
SITE DESIGN: Project represents a 15% increase in impervious surface over previous use. Project consists of 147 single-family attached 2.5 to 3-story townhomes over landscaped podium parking.		SOURCE CONTROL: Parking structure with filters plumbed to sanitary, disconnected downspouts, bicycle and motorcycle parking areas provided inside podium,	TREATMENT BMPs: Beneficial landscaping including trees both on the podium and at grade and one mechanical unit.	NUMERIC CRITERIA: Flow and volume based, deemed complete 5/19/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-032	Modern Ice Planned Development Permit to construct 202 single-family attached residences on a 9.6 gross acre site.			Northeast corner of Berryessa Road and Oakland Road.	Single-family attached residential	9.6	5.15	7/22/2005
SITE DESIGN: Existing site near 100% impervious historic industrial site. Proposed project of 202 units clustered around shared pedestrian and vehicular private circulation paths. Site also includes 1.24 acre public park with a vegetated swale on its perimeter. Pedestrian paths and surface parking use interlocking unit pavers and pervious pavement.		SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping.	TREATMENT BMPs: Vegetated swales, interlocking unit pavers, tree planting, disconnected downspouts, beneficial landscaping, and pervious paving.	NUMERIC CRITERIA: Flow based, deemed complete 5/2/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-024	Gold Street Office Building Planned Development Permit to allow a 24,237 square foot office building on a 2.25 gross acre site.			Westerly side of Gold Street approximately 150 feet southerly of the Guadalupe River.	Office building	2.25	1.33	7/6/2005
SITE DESIGN: Project consists of a new 2-story office building surrounded by parking and landscaping. 92% of		SOURCE CONTROL: Stenciled inlets and street sweeping.	TREATMENT BMPs: Detention basin, vegetated swales, interlocking pavers, and inlet filters.	NUMERIC CRITERIA: Flow based, deemed complete 3/21/2005. HMP:	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning		PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the	

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
	stormwater runoff from this project is being treated on site. Control measures include 3 bioswales and 1 mechanical unit. Interlocking pavers are used for a 2,600 sq.ft. patio area in landscape area adjacent to the public utility easement.		N/A	Ordinance.		Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
PD05-017	Embedded Way Planned Development Permit to allow indoor recreational uses in an existing industrial building on approximately 16.4 gross-acre site.	Southwest corner of Hellyer Avenue and Embedded Way.	Indoor Commercial Recreation	16.4	11.5	8/18/2005
SITE DESIGN: Reuse of existing structure. Project results in no new impervious surface. Revegetation of buffer zone between parking area and Coyote Creek County Parkway. Vegetated swale between Embedded Way and front parking area. A permit from SCVWD was required for work adjacent to Coyote Creek.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, and street sweeping.	TREATMENT BMPs: Vegetated swales and catch basin inserts.	NUMERIC CRITERIA: N/A, deemed complete 2/14/2005. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
PD05-015	Cherry Acres KB Homes Residential Development Planned Development Permit request to allow grading only for 91 single-family attached residences on a 4-gross acre site.	Northwest corner of King Road and Mabury Road.	Single-family attached residential	4.0	4.09	7/20/2005
SITE DESIGN: Existing site is 54% impervious. Project consists of 91 single-family attached residents, 2-stories over garage, clustered around a small common open space/pedestrian patio area with access to private garages provided by a private	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Bioswale.	NUMERIC CRITERIA: N/A, deemed complete 2/11/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	

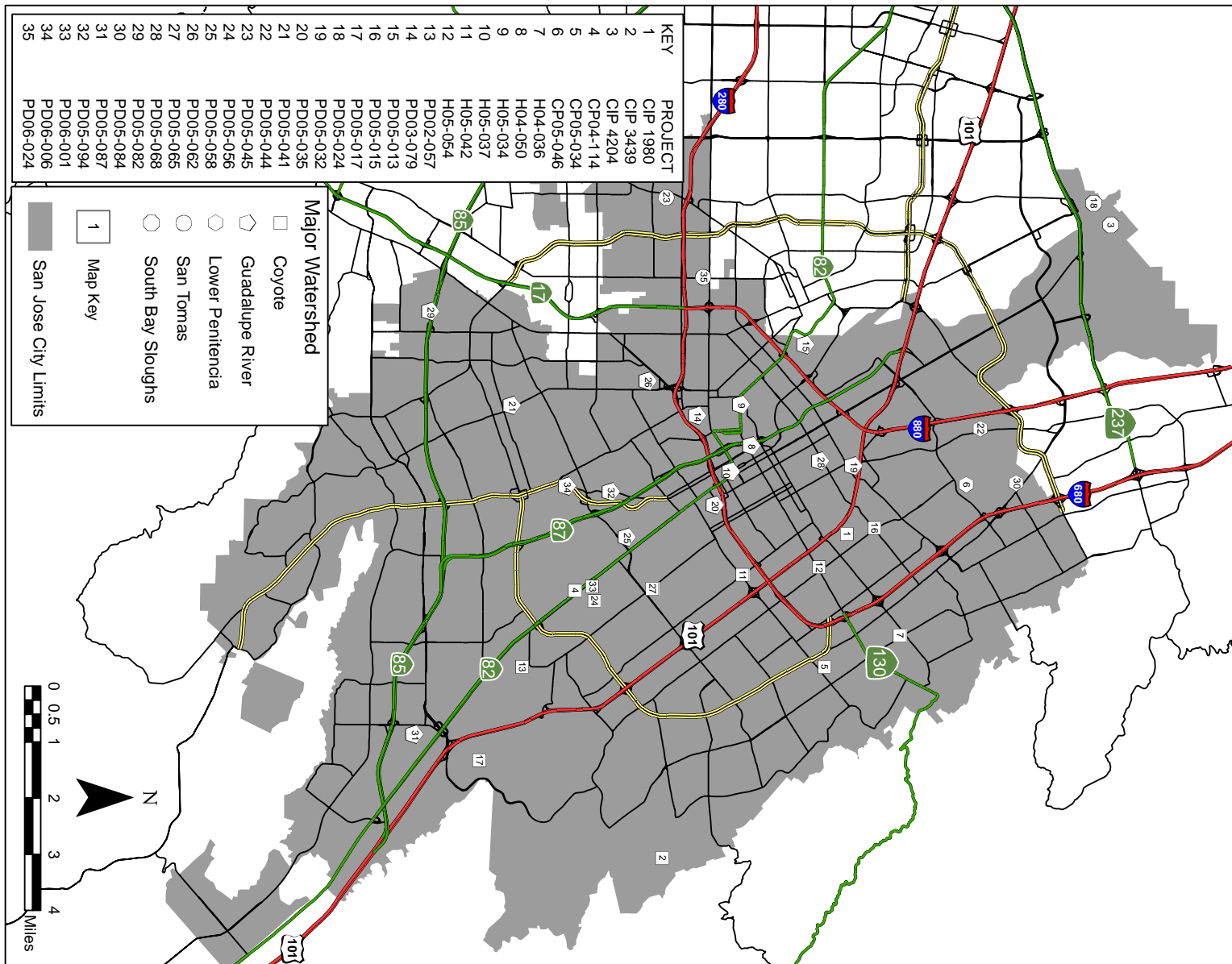
PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
loop road.						
PD05-013	Campbell Avenue Residential Development Planned Development Permit to construct up to 104 single-family detached residences on a 7.63 gross acre site.	North side of Campbell Avenue approximately 1,000 feet east of Newhall Street.	Single-family detached residential	7.63	5.05	9/6/2005
SITE DESIGN: Existing site is 95% impervious. Development of 104 single family detached units with landscaped patios and pool with community room represents a 31% reduction of impervious surface. Units are 2 and 3 stories detached units clustered around pedestrian patios and private access drives.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, street sweeping, and disconnected downspouts.	TREATMENT BMPs: Vegetated swales, tree planting, and beneficial landscaping.	NUMERIC CRITERIA: N/A, deemed complete 2/8/2005. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
CP04-114	Monterey/ Pullman Retail Center Conditional Use Permit to construct 15,000 square feet for retail commercial uses and allow a drive through use on a 1.35 gross acre site.	West side of Monterey Road, 250 feet southerly of Lewis Road.	Retail Commercial Center	1.35	1.17	8/15/2005
SITE DESIGN: Existing site is 100% impervious. Redevelopment of this site from industrial to 15,000 sq.ft. of retail commercial uses including one drive-thru restaurant reduces impervious surface by 14% largely due to perimeter beneficial landscaping and tree plantings throughout the site.	SOURCE CONTROL: Stenciled inlets and covered trash enclosures.	TREATMENT BMPs: Beneficial landscaping, tree planting, and mechanical unit.	NUMERIC CRITERIA: N/A, deemed complete 12/17/2004. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.	
H04-050	San Jose Condominium (Almaden Tower) Site Development Permit to allow construction of approximately 646,597 square feet in a 22-story building, which includes 330 residential units, 208,996 square foot parking garage, and approximately 8,000 square foot retail commercial use on a 1.42 gross.	Southwest corner of Carlyle Street and Notre Dame Avenue.	High-rise Residential in Downtown Core Area	1.42	1.42	9/30/2005

PROJECT FILE NUMBER	PROJECT DESCRIPTION		PROJECT LOCATION	PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
SITE DESIGN: This project is a 22-story residential tower with 5-stories of parking (3 below grade and 2 above grade) that covers the entire site so no infiltration is possible. Instead the project uses a mechanical unit. Previously the site was also entirely paved resulting in a 0% increase in impervious surface.	SOURCE CONTROL: Stenciled inlets, covered trash enclosures, parking structure drains, bicycle and motorcycle parking areas provided.	TREATMENT BMPs: Mechanical unit, street and roof deck tree plantings, and interlocking unit pavers.	NUMERIC CRITERIA: N/A, deemed complete 10/6/2004. HMP: N/A	O&M RESPONSIBILITY: Property owner and Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.		
H04-036	McKee Green Plaza Site Development Permit to construct 17,000 square feet of commercial use on a 1.38 gross acre site.		West side of North White Road, approximately 300 feet south of McKee Road.	Retail commercial and office plaza	1.38	1.10	1/12/2006
SITE DESIGN: Two story retail commercial and office plaza with parking lot on the sides and rear.	SOURCE CONTROL: Covered trash enclosure, stenciled inlets, and street sweeping.	TREATMENT BMPs: Beneficial landscaping including some tree planting.	NUMERIC CRITERIA: N/A, deemed complete 8/4/2004. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.		
PD03-079	Del Monte KB Homes Planned Development Permit to construct 383 single family attached residences on a 12.4 gross acre site.		North and south side of Auzerais Avenue between Sunol Street and Los Gatos Creek.	Single family attached residential	12.4	10.01	2/15/2006
SITE DESIGN: Site is adjacent to Los Gatos Creek. Riparian setback established at 30 feet from top of bank. Development to be transit oriented with two light rail stations opened and operating	SOURCE CONTROL: Stenciled inlets, parking structures, and riparian buffer.	TREATMENT BMPs: Vegetated swales, tree planting, beneficial landscaping, and inlet filters.	NUMERIC CRITERIA: N/A, deemed complete 12/17/2003. HMP: N/A	O&M RESPONSIBILITY: Homeowners Association shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.		
PD02-057	Valley Christian School Playground Improvements Planned Development Permit to allow the construction of two		Easterly terminus of Skyway Drive, east side of Monterey	Playground improvements.	52.68	9.81	6/29/2005

PROJECT FILE NUMBER	PROJECT DESCRIPTION	PROJECT LOCATION		PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
	paved, play areas and associated improvements (including new landscaping and fencing) at an existing private school on a 52.68 gross acre site.	Road.					
SITE DESIGN: The project involves minimized new impervious surface area by adding approximately 30,000 square feet of impervious surface where outdoor courts currently exist.	SOURCE CONTROL: Street sweeping.	TREATMENT BMPs: Beneficial landscaping and inlet filters.	NUMERIC CRITERIA: N/A, deemed complete 8/12/2002. HMP: N/A	O&M RESPONSIBILITY: Property owner shall maintain treatment measures in conformance with Section 20.95.120 of the Zoning Ordinance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.		
Public Development Projects							
CIP 1980	Fire Station #34 New Fire Station of approx. 11,500 sq.ft. to be constructed on approx. 1 acre of land.	Las Plumas Ave. near Nipper Ave.		Institutional	1.03	0.86	4/26/2006
SITE DESIGN: Site currently serves as a storage yard called Las Plumas Warehouse. The project improves existing site conditions by installing pervious landscapes on 16% of the 1.03 Acers site. Project provides treatment of runoff via stormfilter device and surrounds project with swales and trench drains to treat runoff.	SOURCE CONTROL: Landscaping, stenciled inlets, and street sweeping.	TREATMENT BMPs: Vegetated swale, mechanical unit, and trench drains.	NUMERIC CRITERIA: N/A - Funded prior to 10/15/03, but sized to treat 0.2 in/hr flow intensity. HMP: N/A	O&M RESPONSIBILITY: Treatment measures are maintained by City during routine maintenance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.		
CIP 4204	Fire Station #25 The first construction package for the Fire Station No. 25 - Relocate project. Installing earthwork to elevate the building pad of the proposed new Station No. 25 ten feet out of the flood plain & relocation of an existing sewer line.	2125 Wilson Way		Institutional	2.62	0.95	4/14/2006
SITE DESIGN: Project was elevated 10 ft above ground to avoid groundwater level and Guadalupe River Food Zone.	SOURCE CONTROL: A stormwater filter device installed in washing trucks areas, stenciled inlets, and street sweeping.	TREATMENT BMPs: Vegetated swale, disconnected downspouts, mechanical unit, curb openings, and decomposed	NUMERIC CRITERIA: N/A - Funded prior to 10/15/03, but sized to treat 0.2 in/hr flow intensity.	O&M RESPONSIBILITY: Treatment measures are maintained by City during routine maintenance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the		

PROJECT FILE NUMBER	PROJECT DESCRIPTION		PROJECT LOCATION		PROJECT TYPE	SITE SIZE (Ac)	NEW IMPERVIOUS SURFACE (Ac)	PROJECT STATUS (APPROVAL DATE)
Landscape strips treat parking lot runoff and vegetated swales surrounding toe of the 10-ft high mound are sized to treat and carry runoff to the existing stormdrain system.		granite surface.		HMP: N/A				Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.
CIP 3439	Fowler Creek Park Phase 1 Construction of first phase of improvements to include parking lot, group picnic area, tennis courts, play areas and landscaping.		Evergreen area of east San Jose at Altia Ave. from the East, Cortona Dr. from the South. Botticelli Dr. from West, and Michelangelo Dr from North.		Recreation	12.0	2.64	12/16/2005
SITE DESIGN: New park in the Evergreen Area East of San Jose designed to accommodate the increase in development in that portion of the City. Project includes installation of parking lot, tennis court, bocce courts, group picnic, play areas and landscape and turf areas.	SOURCE CONTROL: Stenciled inlets, 10 Signs to increase awareness of Park's Rules and Regulations including Dog Ordinances.	TREATMENT BMPs: Impervious surfaces drain into rocky dissipaters and vegetated swales before discharging into underground pipes, trench drains with HDPE perforated pipes surrounding play areas, and vegetated buffer strips surrounding tennis courts.	NUMERIC CRITERIA: N/A - Funded prior to 10/15/03. HMP: N/A	O&M RESPONSIBILITY: Treatment measures are maintained by City during routine maintenance.	PESTICIDE REDUCTION MEAS: Pesticide reduction is done through education and outreach. The SCVURPPP C.3 Handbook and the Landscape Maintenance Techniques for Pest Reduction Fact Sheet are posted on the City website.			

Development Activity Map



Procedures for BMP O&M Verification Program

Standard Operating Procedure BMP O&M VERIFICATION PROGRAM

Overview

The City of San José's New and Redevelopment (NRD) Post-Construction BMP Operation and Maintenance Verification Program is a multi-department effort. The Departments of Environmental Services (ESD), Public Works (PW), and Planning, Building & Code Enforcement (PBCE) work together to verify that maintenance of Post-Construction BMPs is conducted as required by Provision C.3 of the stormwater permit. The key components of this program include BMP Tracking, Inspection, Enforcement and Follow Up, and Reporting.

PBCE is responsible for BMP Tracking and supports escalated enforcement if needed to achieve compliance. ESD's Watershed Enforcement Section is responsible for receiving BMP Tracking information, conducting inspections on a subset of BMPs, and performing enforcement and follow up as needed. ESD's Urban Runoff Section is responsible for compiling program data and reporting results annually to the Water Board.

BMP Tracking

Information on BMPs required by Provision C.3 is collected throughout the development review process. Final information on BMPs is available to inspectors when construction is complete.

Table 1: Procedure for BMP Data Tracking and Compilation

STEP	RESPONSIBILITY	ACTION
1	PBCE – Planning Division Planners	1. Collect and document information on BMPs for all projects that requires C.3 Treatment Devices, which are usually listed on the Stormwater Control Plan Sheet (SCP) of the submitted design plan set. Information must include description of BMP, location, BMP owner, responsible party for maintenance or any available contact info, O&M requirement mechanism, and any additional conditions imposed related to BMP O&M.
2	PW – TD&S – Urban Runoff Coordinator	2. Track projects with Stormwater Control Plan that have been issued Grading Permits.
3	PBCE – Building Division – Plan Check Engineer/ Urban Runoff Coordinator	3. Compile annually (each July) and provide to ESD a data file of all BMPs and projects which have been issued Certificate of Occupancy during the previous fiscal year.

Inspection

ESD selects sites for inspection based on a list of constructed sites obtained from Urban Runoff Coordinator in the Building Division and based on AOCs of previously inspected sites. All projects constructed during the previous fiscal year are inspected; inspections and follow up procedures are consistent with the City's Industrial and Commercial Discharges (IND) Program.

Table 2 summarizes the procedure for inspection of BMPs under this program. The Watershed Enforcement Section of the Watershed Protection Division has one environmental inspector assigned to inspect new development projects.

Table 2: Procedure for BMP Inspection

STEP	RESPONSIBILITY	ACTION
1	ESD – WE – Senior Environmental Inspector	<ol style="list-style-type: none"> Assign all projects issued Certificate of Occupancy for initial inspections. Assign other inspections based on AOC Frequency Schedule in Table 5.
2	ESD – WE – Environmental Inspector (EI)	<ol style="list-style-type: none"> Prior to inspections, inspectors fill out the SCVURPPP Standard Stormwater Treatment BMP Inspection Data Collection Form. <ul style="list-style-type: none"> ➤ Collect all background information on the site initially submitted by PBCE. ➤ Review online data for site plans/asbuilt drawings. ➤ Collect maintenance standards from on line sources or city manuals for maintenance fact sheets of the specific BMP listed on plan. ➤ Check site for previous inspection results. ➤ Check for necessary procedures such as underground confined space entry. If ownership changed, update contact information.
3	ESD – WE – EI	<p>Perform visual inspection of treatment BMP by following the SCVURPPP Standard Stormwater Treatment BMP Inspection Data Collection Form and refer to SCVURPPP Table labeled “Potential Inspection Results”; fill out one form per site for all relevant BMPs inspected.</p> <ul style="list-style-type: none"> ➤ If immediate threat to storm sewer system or creek follow Watershed Enforcement Response Plan (WERP) listed in Chapter 4 Appendix C of the Watershed Enforcement Training and Procedures Manual to find appropriate citation type and amount. ➤ If BMP is functional and maintained, record inspection result. Distribute BMP Maintenance Fact Sheets from C.3 Handbook or CASQA Manual and schedule follow-up inspection if necessary. ➤ If BMP is non-functional, record result and continue to Table 3.

Enforcement and Follow Up

Table 3 summarizes the enforcement procedures for BMP Inspections. ESD’s Watershed Enforcement is the first tier of enforcement with PBCE Code Enforcement involved to employ the land use permit as the basis for enforcement.

Table 3: Enforcement Procedure for BMP

STEP	RESPONSIBILITY	ACTION
1	ESD – WE – Environmental Inspector (EI)	<ol style="list-style-type: none"> Issue Official Warning Notice including description of violation, corrective actions required and compliance date. Re-inspect after compliance date. <ol style="list-style-type: none"> If violation is corrected, deadline case and follow Reporting Procedures If violation continues, proceed to Step 2
2	ESD – WE – EI	<ol style="list-style-type: none"> Within 48 hours, refer violation via e-mail to Code Enforcement Administrator including the following: <ol style="list-style-type: none"> Field Inspection Notes Official Warning Notice Planning Permit Condition Violation Number Digital picture of initial violation and re-inspection

BMP O&M Verification Program

Location: U:\U_R\M_P\NRD\O&M

STEP	RESPONSIBILITY	ACTION
		e. Signed Photo Evidence Affidavit f. Recommended Compliance Timeline
3	PBCE – CE – Code Enforcement Administrator (CEA)	1. Within 24 hours, review referral for completeness. Contact EI if indicated. 2. If complete, open case in Code Enforcement System (CES) within 24 hours. 3. Within 48 hours, Issue Compliance Order to Responsible Person(s) including compliance date. Send an electronic copy to EI.
4	ESD – WE – EI	1. After compliance date, re-inspect for compliance. a. If compliance is achieved, advise CEA to deadfile case in CES. Follow reporting requirements. b. If compliance is not achieved, document violation (See Step 2) and notify CEA.
5	PBCE - Code Enforcement Administrator (CEA)	1. Within 5 working days, develop Notice of Hearing and notify Responsible Person(s). 2. Schedule issue before the Appeals Hearing Board (AHB). 3. Notify EI to attend AHB to provide testimony.

Reporting

Table 4 summarizes the reporting procedures for the O&M Verification Program for BMPs. The Environmental Inspector logs the inspection information on both the SCVURPPP Standard Stormwater Treatment BMP Inspection Data Collection Form and enters inspection results in a city designated database.

Table 4: Reporting Procedure

STEP	RESPONSIBILITY	ACTION
1	ESD – WE – Environmental Inspector	1. Log inspection information using SCVURPPP Standard Stormwater Treatment BMP Inspection Data Collection Form. 2. Transfer inspection data to EEDMS Database.
2	ESD – UR	1. Collect data from EE. 2. Compile all inspection information annually and report in NRD Summary Tables of the Annual Report.

Table 5: Area of Concern (AOC) Frequency Inspection Table

City Regulated Facilities The City of San Jose will conduct inspections of New and Redevelopment Projects as identified below:
All New and Redevelopment Projects: 2 or more AOCs over a five year period – inspect every year 1 AOC over a five year period – inspect every two years 0 AOC over a five year period – inspect every five years
Facilities for which a referral or ICID complaint is received: As soon as practicable for violations every year until they meet the above criteria.

BMP O&M Verification Program
Location: UAV_R_M_PINRD/O&M

Sample Types of AOC's:			CHECK
	Not working/ Failed	Example: Significant Engineering Design Flaws such as it was misplaced by construction workers, water is not draining to it.	
	Removed	Example: Home Owner Association (HOA) covered vegetation with impervious surface.	
	Inoperable/ Damaged	Examples: ➤ Wrong type of vegetation ➤ Eroded sides ➤ Plants were not maintained ➤ mowed or irrigated ➤ Trash/ Debris ➤ Obnoxious Odors ➤ Sediment accumulations ➤ Clogged or obstructed inlets ➤ Soggy soil/ standing water ➤ Mosquito habitat	

Also see SCVURPPP Stormwater Treatment BMP Inspection Data Form

List of Acronyms:

AOC:	Area of Concern
AHB:	Appeals Hearing Board
BMP:	Best Management Practice
CEA:	Code Enforcement Administrator
CES:	Code Enforcement System
EEDMS:	Environmental Enforcement Data Management System
EI:	Environmental Inspector
ESD:	Environmental Services Department
ESD-Senior:	Senior Environmental Engineer in the Department
ICID:	Illicit Connection, Illegal Dumping
IND:	Industrial and Commercial Discharges
PBCE:	Public Building Code Enforcement
PW:	Public Works
SCP:	Stormwater Control Plan Sheet
UR:	Urban Runoff
WE:	Watershed Enforcement Section

4. CON: Construction Inspection

4.A CON Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
CON 1	Site Housekeeping The City ensures through a construction inspection program that construction contractors properly store, use, and dispose of construction materials, chemicals, and wastes at construction sites and prevent illicit discharges to storm drains and watercourses.			
CON 1.A	Track & document incidents of housekeeping issues at construction sites	Ongoing	Done FY 05-06 and ongoing. Inspectors from ESD, PW, and PBCE Building continued to track and document incidents of housekeeping issues at construction sites during FY 05-06 and these records are on file for review. At the private development projects, PW inspectors found housekeeping issues at 80 of 107 sites inspected. The same issues that were found and reported in FY 04-05 were found in FY 05-06. Issues included no cover on dirt stockpile/dumpsters, inadequate inlet protection, maintenance of rock construction entrances, maintenance of perimeter protection, improper installation of perimeter protection, tracking of dust and mud on public streets. At City Facilities Architectural Services projects, PW inspectors found housekeeping issues at 22 sites.	PBCE-Bldg, PW, ESD-WE
CON 2	Local Ordinance For development projects with significant erosion potential and planned construction activity during the wet season, the City ensures, through a construction inspection program, that erosion and/or sediment control measures are implemented in accordance with local ordinances and project conditions of approval and maintained as needed during construction.			
CON 2.A	Maintain a program for identifying and conditioning projects with significant erosion potential and planned wet season activity.	Ongoing	Done FY 05-06 and ongoing. ESD, PW, and PBCE - Building inspectors continued to implement a construction inspection program for identifying and conditioning projects with significant erosion potential and planned wet season activity. PW (TDS) inspected approximately 107 active construction sites, PBCE Building inspected approximately 2,500 sites, and ESD Watershed Enforcement inspected approximately 77 sites with 418 total inspections.	PW, PBCE-Bldg
CON 2.B	Identify ordinance changes needed to conduct inspections.	As Needed	Done FY 05-06. No changes to existing ordinances were required.	PW, ESD-WE, PBCE-Bldg

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
CON 3	Construction Inspection Frequency The City inspects construction sites for adequacy of stormwater control measures. The frequency of inspections for active sites is at least once per month, or more frequently based on size of project, site conditions, precipitation, & project's potential impact on stormwater quality.			
CON 3.A	Maintain and update SOPs for construction inspection program.	As Needed	Done FY 05-06. SOPs were maintained and implemented for construction inspections. No updates were required.	PW, ESD-WE, PBCE-Bldg
CON 3.B	Document inspections of active construction sites.	Ongoing	Done FY 05-06. ESD and PW documented inspections of active construction sites during FY 05-06. These records are on file for review. Inspections included: ESD 418 PW (TDS) 107 PW (TDS) inspections included 8 private development sites (out of the total 107 inspected) that were not issued grading permits but had other active PW permits. In addition to the inspections listed above, PBCE Building inspections also include stormwater issues in their inspections. Currently, stormwater inspections are done during the course of routine building inspections. The outcomes are tracked only if an inspection results in a stormwater issue identified that warrants follow-up. Based on a workload review of building inspections conducted during FY 05-06, an estimated 2,500 inspections were conducted by Building inspectors to include a review of stormwater issues. The number of ESD inspections increased from 272 in FY 04-05 to 418 in FY 05-06 of which 44 were pre-season inspections. Seventy-eight were initial inspection visits that resulted in 340 follow-up visits for a total of 418 inspections. Also more verbal warnings (223 FY 05-06 compared to 124 in FY 04-05), more written notices (90 in FY 05-06 compared to 47 on FY 04-05), and more administrative citations (54 in FY 05-06 compared to 14 in FY 04-05) were issued. The increase was due to closer coordination and referrals from Public Works inspectors when contractors and developers failed to correct erosion and sediment control problems at construction sites that resulted in more aggressive enforcement actions by ESD inspectors.	PW, ESD-WE, PBCE-Bldg
CON 3.C	Evaluate the effectiveness of the construction inspection program and make improvements, as necessary.	Annually	Done FY 05-06. The coordination meetings amongst Building ESD, and Public Works inspectors continue to be a valuable tool to improve communications and coordination amongst inspectors in all three departments.	PW, ESD-WE, PBCE-Bldg

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ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			<p>Staff from ESD, PBCE Building, and Public Works on 10/12/2005 and 10/13/2005 conducted citywide training for PBCE Building inspectors and Public Works. The training continues to be an effective tool for informing inspectors of what to look for on construction sites. See Section 13.D: <i>Municipal Employee Training Summary</i>.</p> <p>ESD Watershed Enforcement inspectors continue to attend pre-construction meetings for public projects where they distribute and discuss erosion and sediment control BMPs with contractors and Public Works project staffs. These meetings help educate contractors on available BMPs to implement at construction sites.</p>	
CON 4	Wet Season Preparation Prior to the beginning of the wet season each year, the City inspects all sites requiring erosion and/or sediment control plans, to ensure that measures have been taken to minimize erosion and discharges of sediment from disturbed areas.			
CON 4.A	Review and revise procedures for construction inspection staff regarding wet season construction requirements.	As Needed	<p>Done FY 05-06. Procedures for wet season preparation were reviewed and found to be adequate with no changes identified.</p> <p>Public Works project managers continued to implement language in Section 10-2, Stormwater Pollution Prevention for public projects. This was emphasized during their annual training held January 24, 2006 for Public Works Construction Improvement Project Managers. See Section 13.D: <i>Municipal Employee Training Summary</i>.</p>	PW-CFAS, PW-ECS, PW-TDS, PBCE-Bldg, ESD
CON 4.B	Document pre-season inspection of construction sites to ensure adequate implementation of winterizing BMPs prior to the wet season.	Ongoing	<p>Done FY 05-06 and ongoing. The City documented pre-season inspection of construction sites to ensure adequate implementation BMP, prior to the wet season during FY 05-06.</p> <p>Pre-season inspections were performed by Public Works for 38 private development projects. Public Works CFAS inspectors (for 26 public projects) performed preseason inspections. PBCE Building inspectors delivered notices to all active construction sites identified by Public Works. ESD Watershed Enforcement inspectors conducted 44 pre-season inspections before the official start of the rainy season on October 15, 2005.</p>	PW-CFAS, PW-ECS, PW-TDS
CON 5	Inspection and Site Evaluation Follow-up Construction sites with inadequate erosion/sediment controls are given verbal and/or written notice of the inadequacies, according to the City's enforcement procedures, and followed up with action(s) commensurate with the risk of pollutants entering City storm drains or waterways. Written notices and follow-up actions are tracked and summarized in the City's Annual Report to the Regional Board.			
CON 5.A	Implement SOPs for follow-up actions and graduated	Ongoing	Done FY 05-06 and ongoing. SOPs for follow-up actions	PW-CFAS, PW-ECS,

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	levels of enforcement for construction sites.		and graduated levels of enforcement for construction sites were implemented.	PW-TDS, PBCE-Bldg, ESD
CON 5.B	Track and summarize notices and follow-up actions for annual reports.	Annually	<p>Done FY 05-06. Public Works Private Development (TDS) issued 165 verbal warnings. Thirty- six sites received more than one verbal warning. Fifteen written notices were issued. Three sites received more than one written notice. Eighteen referrals were made to ESD.</p> <p>Public Works CFAS issued 58 verbal warnings. Fifteen sites received more than one verbal warning. Sixteen written notices were issued. Fifteen sites received more than one written notice. Five referrals were made to ESD</p> <p>Public Works Engineering Construction Services issued verbal warnings at three of twelve project sites. All three sites received more than one verbal warning. No written notices were issued and no referrals were made to ESD.</p> <p>Public Works Airport Division inspectors issued approximately 14 verbal warnings and no written notices for 16 inspections conducted.</p> <p>Building inspectors issued a total of 18 notices to construction sites either requiring adjustments to the superintendent's performance or noting compliance with guidelines after a previous notice was delivered. Currently, stormwater inspections are done during the course of routine building inspections. The outcomes are tracked only if an inspection results in a stormwater issue identified that warrants follow-up.</p> <p>ESD Watershed Enforcement inspectors investigated 77 active construction sites for a total of 418 inspections. Throughout the season, ESD issued 223 verbal warnings, 90 written notices, and 54 administrative citations (fines).</p>	PW-CFAS, PW-ECS, PW-TDS, PBCE-Bldg, ESD
CON 6	Municipal Training The City provides training annually to its construction inspection staff on inspection procedures, documentation, and enforcement related to stormwater pollution prevention. All inspectors receive training on the latest construction-related stormwater pollution prevention techniques and appropriate follow up actions at least once every two years. The City keeps documentation that inspectors have received training.			
CON 6.A	Develop an annual training plan for construction inspection program.	Annually, Q1	Done See Section 13.D: <i>Municipal Employee Training Summary.</i>	ESD, PW, PBCE-Bldg
CON 6.B	Conduct annual training	Ongoing	Done. See Section 13.D: <i>Municipal Employee Training Summary.</i>	ESD, PW, PBCE-Bldg
CON 6.C	Track and document that inspectors have received training.	Annually	Done. See Section 13.D: <i>Municipal Employee Training Summary.</i>	ESD-UR

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CON 6.D	Evaluate the training curriculum and frequency, and improvements, as necessary.	Annually	<p>Done FY 05-06. The training curriculum and frequency were satisfactory. More than seven sessions were held on construction inspection. Strong emphasis on “keeping mud out of the streets” was again stressed during the training of city construction inspectors. In addition housekeeping issues, construction entrances, proper inlet protection and responsibilities of city inspectors was discussed.</p> <p>Staff identified the need for additional training stormwater BMPs and will conduct this training for all inspection groups during section meetings throughout FY 06-07 to supplement the main Fall training.</p>	ESD, PW, PBCE-Bldg
CON 6.E	Hold coordination meetings for Building, ESD, and Public Works	Ongoing	Done FY 05-06 and ongoing. Meetings were held 9/20/2005, 11/30/2005, 2/15/2006, 3/29/2006, and 6/7/2006.	PW-CFAS, PW-ECS, PW-TDS, PBCE-Bldg, ESD-WE, ESD-UR
CON 7	Outreach The City provides outreach materials to contractors, developers, and municipal staff on construction BMPs and compliance with the State General Construction Activity Stormwater Permit.			
CON 7.A	Review outreach/technology transfer materials and make improvements, as necessary	Annually, Q4	<p>Done FY 05-06. Construction BMP information tri-folds in English, Spanish, and Vietnamese were distributed as needed in trainings and are on permanent display in City Hall. Distribution quantities are captured in 14.D: <i>Outreach Materials Distributed</i>.</p> <p>The City reviewed the <i>Dewatering from Construction Sites and In-Ground Utilities Maintenance Projects</i> brochure. Revisions were identified, and the revised reprints will be done in FY 06-07.</p>	ESD, PW, PBCE-Bldg
CON 7.B	Conduct outreach sessions to development community.	Annually	Done FY 05-06. See 14.D: <i>PIP Activities</i> for details.	ESD, PW, PBCE-Bldg, Program & Water Board
CON 7.C	Document outreach to development community.	Annually	Done FY 05-06. DPW and ESD inspectors continued to distribute BMPs to the development community during construction site inspections. Outreach materials were also given to development community representatives at training sessions and at permit service counters. See 14.D: <i>PIP Activities</i> for details.	ESD-UR
CON 7.D	Evaluate outreach program and make improvements, as necessary.	Annually	Done FY 05-06. The City's outreach program is sufficient. With inspections, meetings, and training sessions, the outreach for this program element includes significant face-to-face contact. Inspectors also distribute materials to developers and contractors as part of inspection. In FY 06-07 the City is exploring placing signs at construction	ESD, PW, PBCE-Bldg

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			site with the "No Dumping and 945-3000 Telephone Hotline" message for site employees and the public to see. The City will review key BMP materials and make changes as needed in FY 06-07.	
CON 7.D.1	Print and distribute revised "Clean Bay Blueprint" to developers and City inspectors.	FY 05-06	Done FY 05-06. See 14.D: <i>PIP Activities</i> for details.	ESD, PW, PBCE-Bldg
CON 7.D.2	Evaluate the use of construction site signs to alert site employees and the public of stormwater pollution prevention message and 945-3000 hotline information.	FY 05-06	Deferred to FY 06-07. After initial review of the concept, the City decided to modify its plans for this outreach task. It is scheduled for production and implementation in FY 06-07.	ESD, PW, PBCE-Bldg
CON 8	Public Works Projects The City will develop and implement a process to ensure that contractors hired to construct public works projects have adequate erosion control plans and use appropriate Best Management Practices (BMPs) adopted by the Department of Public Works.			
CON 8.A	Conduct training for Public Works capital improvement project staff (Architectural Engineering Design & Construction and Streets, Bridges & Sewers Design and Construction) on contract language, standard specifications, & enforcement.	Annually	Done FY 05-06. Training was developed and conducted on 01/24/06. See Section 13.D: <i>Municipal Employee Training Summary</i>	PW-CFAS, PW-ECS, PW-TDS, ESD
CON 8.B	Track the number of Public Works projects with these requirements.	Annually	Done FY 05-06. Tracked number of Public Works capital improvement projects to ensure erosion and sediment control language was included. Records are on file.	PW-CFAS, PW-ECS, PW-TDS
CON 9	Construction Inspection Effectiveness Evaluation The City of San José will review and evaluate effectiveness of its construction inspection SOPs and BMPs.			
CON 9.A	Evaluate and incorporate any needed improvements in construction inspection SOPs and BMPs.	Annually	Done FY 03-04.	PW-CFAS, PW-ECS, PW-TDS, PBCE-Bldg, ESD-WE, ESD-UR
CON 9.B	Document and evaluate what worked well and what needs improvement.	Annually	Done FY 05-06. The communications and cooperation amongst Public Works, PBCE Building, and ESD Watershed Enforcement worked well. The citywide construction inspector's trainings held October 12-13, 2005, and the monthly citywide construction supervisors meetings, played a big part in this improvement. The City will continue to conduct the inspector's training and hold supervisors meetings in FY 06-07. PW (TDS) inspectors continue to observe housekeeping problems at private development sites. Some of the problems include: <ul style="list-style-type: none"> • No cover on dirt stockpile/dumpsters • Inadequate inlet protection • Inadequate maintenance of rock construction 	PW-CFAS, PW-ECS, PW-TDS, PBCE-Bldg, ESD-WE, ESD-UR

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			<p>entrances</p> <ul style="list-style-type: none"> • Inadequate maintenance of perimeter protection • Tracking of dust and mud on public streets <p>City inspectors will continue to work with developers to ensure effective BMPs are implemented to prevent these housekeeping issues.</p> <p>Staff identified the need for additional training stormwater BMPs and will conduct this training for all inspection groups during section meetings throughout FY 06-07 to supplement the main Fall training.</p>	
CON 9.B.1	Expand the number of sites with an inspector of record to capture more of the Type 1 and Type 2 sites (per Public Work's designation)	Ongoing	Done FY 05-06 and ongoing. PBCE Building Inspection estimates they expanded the number of sites with an inspector of record to capture more of the Type 1 and Type 2 sites (per Public Work's designation) as follows: a) 51 Type 1 sites and b) 137 Type 2 sites.	PBCE-Bldg

4.B CON Program Evaluation

Several things worked well during the construction inspection process for FY 05-06. First, an ESD Watershed Enforcement inspector attended pre-construction meetings for public projects. The inspector distributed and discussed erosion and sediment control BMPs with contractors and project management staff. This pre-construction meeting helped make contractors aware of their responsibilities for preventing stormwater runoff pollution from construction sites.

Second, City inspectors and project managers attended several training sessions to improve their knowledge of erosion and sediment control practices. One-hundred and eight PBCE Building and Public Works inspectors attended annual trainings conducted by City staff on 10/12/2005 and 10/13/2005. Forty-seven Public Works project managers and technical staff attended trainings sponsored by the Water Board and Santa Clara Valley Urban Runoff Pollution Prevention Program on 12/8/2005 and 12/9/2005. Fifty-two CIP Public Works project managers attended training conducted by City staff on 1/24/2006.

Third, Public Works CFAS Division and Roads and Bridges Division instituted a practice of including a separate pay item in bids for erosion and sediment control. Contractors are now paid for implementing erosion and sediment control BMPs. This has proven to be highly effective for motivating contractors to implement BMPs at construction sites. Public Works Airport Division implemented this same practice some time ago and it also has been highly effective.

Based on evaluating the program, staff has also identified several improvements for FY 06-07. Public Works (TDS) is revising the Erosion Control Checklist so that the checklist is easier to use and the inspectors can better track the warnings. In the past, inspectors would issue a verbal warning, revisit the site at a later date to see if the violation was corrected, but would not always fully document how the violation was corrected. In order to avoid this problem, the checklist will be kept until the problem has been resolved and the resolution will be documented.

Public Works (TDS) inspectors were allowed to use their PDAs to report on erosion control on sites. Due to inconsistent reporting, however, PDA reports will no longer be accepted. All Public Works (TDS) inspectors will use the attached new form as it addresses the issues related to construction site inspections. This form will evolve with use and comment from the inspectors.

Additionally, ESD staff plans on conducting short, focused stormwater BMP trainings for all inspection groups during their section meetings throughout FY 06-07 to supplement the main Fall Annual Training. The City has also allocated funds in FY 06-07 for contractual support for two Construction Stormwater BMP Training Workshops for City staff. Public Works Engineering and Construction Services would like the training to focus on how to more effectively conduct inspections for projects that tend to

stretch over long distances and in some cases over multiple city blocks. For FY 06-07 more targeted training will be provided to E&CS inspectors on how to effectively monitor such project sites.

In FY 06-07 the City is exploring placing signs at construction sites with the “No Dumping and 945-3000 Telephone Hotline” message for use by site employees and the public. The City will review key BMP materials and make changes as needed in FY 06-07.

4.C CON Response to Water Board Comments

No comments received from Water Board on this Program Element.

4.D CON Summary Tables

***Permits for Significant Development Projects¹
Reviewed and/or Approved July 1, 2005 – June 30, 2006***

PROJECT NAME & LOCATION	PROJECT TYPE	SITE SIZE (Ac OR S.F.)	AREA OF LAND DISTURBED (Ac)	PROJECT STATUS	STORMWATER CONTROL MEASURES INCLUDED IN PROJECT	REQUIREMENT MECHANISM
<i>Department of Public Works, Airport Division</i>						
Public Projects						
Renzel Airfield Improvements 2005 1661 Airport Boulevard	Taxiway Y	35 Ac	35 Ac	Ongoing	Standard Construction Best Management Practices (BMPS) including sediment and erosion control	Silt fencing, sandbags, filter fabric, etc.
North Concourse Project 1661 Airport Boulevard	Terminal	7.5 Ac	3.9 Ac	Ongoing	Standard Construction Best Management Practices (BMPS) including sediment and erosion control	Silt fencing, sandbags, filter fabric, etc.
<i>Department of Public Works, Transportation & Development Services Division</i>						
Private Projects						
Construct Restaurant/Retail Building (PW # 3- 00178 - Issued 12/16/2005) 1751 N. First Street	Non-Residential	1.09	0.60	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Soil Remediation and Re-Open Storm Connection To Coyote Creek Outfall (PW # 3-00242 - Issued 9/23/2005) 1633 Oakland Road	Non-Residential	17.98	17.98	Grading On-going	Stabilized construction entrance, inlet protection, silt fence, fiber roll	Planning/grading permits, Follow SWPPP & Erosion Control Plan

¹ Projects that have conditions created by land disturbance activities that require a grading permit, as defined by local ordinance, or by discharges of stormwater runoff over areas with erodable soils.

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PROJECT NAME & LOCATION	PROJECT TYPE	SITE SIZE (Ac OR S.F.)	AREA OF LAND DISTURBED (Ac)	PROJECT STATUS	STORMWATER CONTROL MEASURES INCLUDED IN PROJECT	REQUIREMENT MECHANISM
Grading for 20,000 sf Expansion of Existing Target Store (PW # 3-00703 - Issued 1/9/2006) 3155 Silver Creek Road	Non-Residential	5.50	5.50	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a 2-Story Commercial Development (PW # 3-00739 - Issued 5/19/2006) 255 N. White Road	Non-Residential	1.29	1.50	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for the Parking Lot of an Existing Commercial Building (PW # 3-01010 - Issued 12/20/2005) 696 E. Trimble Road	Non-Residential	0.36	0.36	Project Accepted	Standard BMPs	Planning/grading permits, Follow BMPs
Addition to Home (PW # 3-01049 - Issued 11/3/2005) 5198 Harwood Road	Residential	0.67	0.15	Grading On-going	Stabilized construction entrance, inlet protection, silt fence, sandbag barrier, wheel wash	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Residential Project (PW # 3-01073 - Issued 3/16/2006) West Side of Masonic Drive, Approximately 520 Feet Southerly of Canoas Garden Avenue	Residential	4.76	2.50	Grading On-going	Stabilized construction entrance, inlet protection, fiber roll barrier	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for a Retail & Office Building (PW # 3-01153 - Issued 9/28/2005) 2110 Story Road	Non-Residential	0.51	0.51	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Construction of a Mcdonald's Restaurant in an Existing Shopping Mall Parking Lot (PW # 3-01184 - Issued 7/12/2005) 4800 Almaden Expy.	Non-Residential	0.70	0.70	Construction Completed	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Commercial Building (PW # 3-01627 - Issued 10/31/2005) 879 Coleman Avenue	Non-Residential	0.46	0.43	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9753 (PW # 3-01855 - Issued 10/27/2005) Northeast Corner Of Berryessa Road And Oakland Road	Residential	9.60	9.60	Grading On-going	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Construct New Chilis Restaurant in an Existing Parking Lot (PW # 3-02202 - Issued 12/16/2005) 2200 Eastridge Loop	Non-Residential	74.46	0.54	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Construct New 7,102 sf Restaurant (Mac Grill) (PW # 3-02202 - Issued 2/23/2006) 2200 Eastridge Loop	Non-Residential	0.17	0.17	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs

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PROJECT NAME & LOCATION	PROJECT TYPE	SITE SIZE (Ac OR S.F.)	AREA OF LAND DISTURBED (Ac)	PROJECT STATUS	STORMWATER CONTROL MEASURES INCLUDED IN PROJECT	REQUIREMENT MECHANISM
Grading for Tract No. 9693 (PW # 3-02458 - Issued 9/30/2005) Northeast Corner of Bonita Avenue and Sunny Court	Residential	7.97	7.97	Grading On-going	Stabilized construction entrance, inlet protection, straw wattles, concrete washout area	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for New Chapel (PW # 3-02737 - Issued 2/15/2006) 300 Curtner Avenue	Non-Residential	0.47	0.47	Construction Completed	sandbag barrier	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Construct 26,000 sf Building (PW # 3-02988 - Issued 3/29/2006) 4202 Stevens Creek Blvd	Non-Residential	2.97	2.97	Grading On-going	Stabilized construction entrance, inlet protection, straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Proposed Medical Office Building (PW # 3-03081 - Issued 8/12/2005) 255 N. Jackson Avenue	Non-Residential	34.40	1.80	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Hospital Building Expansion (PW # 3-03081 - Issued 9/30/2005) 225 N. Jackson Avenue	Non-Residential	34.40	15	Grading On-going	Stabilized construction entrance, inlet protection, straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Gish Apartments (PW # 3-03358 - Issued 8/26/2005) 35 East Gish Road	Residential	0.42	0.42	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Building Expansion (PW # 3-03628 - Issued 3/1/2006) 370 W. Trimble Road	Non-Residential	88.73	1.90	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading Associated With Gas Station Improvements (PW # 3-04151 - Issued 3/30/2006) 1091 East Capitol Expressway	Non-Residential	0.53	0.53	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Single Family Home (PW # 3-04539 - Issued 10/26/2005) 946 Dorel Drive	Residential	1.01	0.40	Grading On-going	Stabilized construction entrance, fiber rolls	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9807 (PW # 3-04766 - Issued 5/10/2006) Northeast Corner of Autumnvale Drive and Trade Zone Blvd	Residential	4	4	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs

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PROJECT NAME & LOCATION	PROJECT TYPE	SITE SIZE (Ac OR S.F.)	AREA OF LAND DISTURBED (Ac)	PROJECT STATUS	STORMWATER CONTROL MEASURES INCLUDED IN PROJECT	REQUIREMENT MECHANISM
Grading for New 2 Story Office Building (PW # 3-04853 - Issued 5/2/2006) 2077 Gold Street	Non-Residential	2.25	1.76	Grading On-going	Stabilized construction entrance, inlet protection, straw wattles, sediment trap, flow diversion berm	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Tract No. 9694 (PW # 3-04988 - Issued 4/5/2006) Northwest Corner of King and Mabury Roads	Residential	3.96	3.96	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Last Phase of Old Apartment/Condo Project (PW # 3-05695 - Issued 8/26/2005) 1715 Murphy Avenue	Residential	14.30	0.80	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Commercial Building (PW # 3-05731 - Issued 2/3/2006) 1674 Foxworthy Avenue	Non-Residential	11.27	6.30	Grading On-going	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Construct New One-story Retail Center and a New Two-Story Office Building (PW # 3-06232 - Issued 1/23/2006) 745 S. Winchester Blvd	Non-Residential	0.90	0.90	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9789 (PW # 3-06640 - Issued 4/28/2006) Southeast Corner of Fleming Avenue and Morrie Drive	Residential	3.40	3.40	Grading On-going	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan
To Allow for Grading for Gas Station and Car Wash on 0.78 Acre Site (PW # 3-06643 - Issued 6/29/2006) Northeast Corner of Monterey Road and Tully Road	Non-Residential	0.78	0.78	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
3 New SFR Detached (PW # 3-06646 - Issued 9/19/2005) 1323 Branham Lane	Residential	0.40	0.40	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New 22-Story Building (San Jose Condominiums) (PW # 3-06748 - Issued 6/2/2006) Southwest Corner of Carlyle Street and Notre Dame Avenue	Residential	1.42	1.24	Grading On-going	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9755 (PW # 3-06915 - Issued 4/11/2006) Southeast Terminus of Duckett Way, approximately 315 Feet East of South De Anza Boulevard	Residential	0.38	0.38	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Medical Center (PW # 3-07395 - Issued 9/6/2005) 1569 Lexann Avenue	Non-Residential	1.94	1.54	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Below-Grade Parking Garage and Construction of a Youth Facility (PW # 3-07755 - Issued 12/1/2005) 480 S. 3rd Street	Residential	0.44	0.44	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Cadence Building 7 Generator and Transformer Installation (PW # 3-08243 - Issued 3/22/2006) 2655 Seely Avenue	Non-Residential	26.84	0.17	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs

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Grading to Build Pool in Geohazard Area (PW # 3-09283 - Issued 2/6/2006) 7195 Wooded Lake Drive	Residential	0.73	0.2	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Medical Office Building (PW # 3-09446 - Issued 7/1/2005) 2140 Forest Avenue	Non-Residential	1.01	1.01	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9749 (PW # 3-09742 - Issued 10/12/2005) North Side of Campbell Avenue Approximately 1000 Feet East of Newhall Street	Residential	7.63	7.63	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading For 3 Residential Units (PW # 3-09963 - Issued 5/15/2006) 479 Willow Street	Residential	0.36	0.36	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading of Vacant Lot for Construction of Detached Single Family Residence (PW # 3-10969 - Issued 9/29/2005) 7236 St. George Lane	Residential	0.38	0.22	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Retail Building (PW # 3-11982 - Issued 3/22/2006) 2951 Monterey Road	Non-Residential	1.35	1.35	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9671 (PW # 3-12034 - Issued 8/25/2005) Southwest Corner of Loma Verde Drive and Winchester Boulevard	Residential	1.14	1.14	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Residential Project (PW # 3-12200 - Issued 6/19/2006) Southeast Corner of Curci Drive and St. Elizabeth Drive	Residential	2.88	2.88	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading Plan for Parking Lot (PW # 3-12344 - Issued 6/27/2006) Near 1st Street and Guadalupe Parkway	Non-Residential	20	8.80	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading Plan for Building 17 (PW # 3-12344 - Issued 6/27/2006) Near 1st Street and Guadalupe Parkway	Non-Residential	4.80	4.80	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for 4 Lot Subdivision (PW # 3-12581 - Issued 8/5/2005) 1099 Amandalyne Court	Residential	0.75	0.75	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs

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PROJECT NAME & LOCATION	PROJECT TYPE	SITE SIZE (Ac OR S.F.)	AREA OF LAND DISTURBED (Ac)	PROJECT STATUS	STORMWATER CONTROL MEASURES INCLUDED IN PROJECT	REQUIREMENT MECHANISM
Grading for Church (PW # 3-12753 - Issued 7/12/2005) 2227 Curtner Avenue	Non-Residential	1.87	0.99	Grading On-going	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Future Summerhill Tract No. 9734 (PW # 3-13081 - Issued 8/24/2005) Northwest Corner of Mcabee Road and Skyfarm Drive	Residential	5.74	5.74	Under Construction (Grading Completed)	Hydroseeding, stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Tract No. 9202 (PW # 3-13082 - Issued 9/26/2005) Branham Ln and Cherry Av (Se/C)	Residential	0.56	0.56	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Hellyer Commons (14 New Industrial Building, 97,200 Sf) (PW # 3-13432 - Issued 9/6/2005) Piercy Rd (S/S), 3100' S/E Silver Creek Valley Rd	Non-Residential	7.51	7.51	Under Construction (Grading Completed)	Stabilized construction entrance, inlet protection, sediment basin, straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9746 (PW # 3-13519 - Issued 9/28/2005) Eastside of Cypress Ave. (#332), approx. 260 ft Southerly of Stevens Creek Blvd	Residential	0.02	0.02	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9795 (PW # 3-13645 - Issued 4/5/2006) West Side Oakland Road at Rock Avenue	Residential	4.80	4.80	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Parking Lot (PW # 3-13676 - Issued 2/3/2006) 200 N. Almaden Blvd	Non-Residential	0.43	0.43	Project Accepted	Standard BMPs	Planning/grading permits, Follow BMPs
Grading For 1 SFD Residence (PW # 3-14066 - Issued 12/19/2005) 7268 Glenview Drive	Residential	0.46	0.29	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Single Family Residence. (PW # 3-14170 - Issued 10/14/2005) 3527 Ambra Way	Residential	0.22	0.22	Construction not Started	Straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading to Add a Play Field to an Existing Church and School (PW # 3-14253 - Issued 4/21/2006) 500 Sands Drive	Non-Residential	23.90	1.05	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for 14 Residential Condo Units (PW # 3-14687 - Issued 7/11/2005) South Side of Balbach Street Approximately 200 Feet West of South Market Street	Residential	0.40	0.40	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs

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Grading for New Worship Center At Westgate Church (PW # 3-14870 - Issued 3/29/2006) 1735 Saratoga Avenue	Non-Residential	3.38	1.80	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for 3 High-Rise Towers (PW # 3-14920 - Issued 2/5/2006) Almaden Blvd & Woz Way (Nw/C)	Non-Residential	3.66	3.57	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for New Custom Home (PW # 3-14922 - Issued 4/3/2006) 1587 Calco Creek Drive	Residential	2.18	0.15	Grading On-going	Inlet protection, fiber roll fence	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Commercial Building (PW # 3-15018 - Issued 6/15/2006) 955 The Alameda	Non-Residential	0.61	0.61	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9692 (PW # 3-15362 - Issued 7/20/2005) 500 Tully Road	Residential	11.40	8.54	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9665 (PW # 3-15570 - Issued 9/21/2005) Northwest Corner of Bassett Street and North First Street	Residential	1.47	1.47	Grading On-going	Stabilized construction entrance, inlet protection, fiber roll fence	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9579 - Bellagio Garden (PW # 3-15667 - Issued 9/26/2005) Northwest Corner of North 1st St. and Gish Rd.	Residential	0.67	0.67	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Auto Dealearship on a Vacant Lot (PW # 3-15699 - Issued 8/31/2005) 3600 Monterey Road	Non-Residential	1.08	1.08	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Paseo Senter at Coyote Creek Affordable Housing Project (PW # 3-15816 - Issued 3/30/2006) 1898 Senter Road	Residential	7.20	6.60	Grading On-going	Stabilized construction entrance, inlet protection, silt fence, flow diversion berm, sediment basin, straw bale dike	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Tract No. 9637 (PW # 3-15819 - Issued 11/14/2005) Northeast Corner of North Buena Vista Avenue and West San Carlos Avenue	Residential	2.80	2.30	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Three New Homes (PW # 3-15873 - Issued 7/1/2005) 1400 Murphy Avenue	Residential	0.38	0.22	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Two New Single Family Units (PW # 3-15875 - Issued 7/1/2005) 1597 Ringwood Avenue	Residential	0.58	0.17	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs

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Grading for Tract No. 9719 (PW # 3-15876 - Issued 3/13/2006) South Side of Murphy Avenue E/S Mission Springs Court	Residential	0.42	0.42	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Two New Single Family Dwellings (PW # 3-16083 - Issued 5/24/2006) 1777 Mount Pleasant Road	Residential	0.60	0.60	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Phase 1 Grading for the Proposed Roadways and Pad Elevation Only for Residential Uses (PW # 3-16147 - Issued 4/5/2006) Southwest Corner of Monterey Road and Goble Lane.	Residential	29	29	Grading On-going	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9613 - Phase II (PW # 3-16313 - Issued 5/15/2006) Southeast Corner of Madden Avenue and North Jackson Avenue	Residential	0.57	0.57	Under Construction (Grading Completed)	Stabilized construction entrance, inlet protection, straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
To Construct One Single Family Dwelling on a Vacant Lot (PW # 3-16444 - Issued 6/27/2006) Northerly Side of River View Drive, approximately 1,400 Feet Easterly of Lyric Lane	Residential	0.27	0.27	Construction not Started	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9642 (PW # 3-16567 - Issued 1/20/2006) South Side of Curtner Ave. Approx. 630 Feet Westerly of Bascom Ave.	Residential	0.98	0.98	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9805 (PW # 3-16600 - Issued 6/12/2006) Northeast Corner of Auzerai Avenue and Sunol Avenue	Residential	12.50	12.50	Grading On-going	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Tract No. 9733 (PW # 3-16644 - Issued 7/14/2005) South Side of the Terminus of Marburg Way, Approximately 550 Feet West of North 33rd Street.	Residential	3.23	3.23	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Commercial Development (PW # 3-16669 - Issued 9/30/2005) 22 N. White Rd	Non-Residential	0.34	0.34	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9731 (PW # 3-16670 - Issued 8/15/2005) North Side of Umbarger Road Approximately 1,200 Feet Westerly of Senter Road	Residential	3.49	3.49	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training

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Grading for Tract No. 9726 (PW # 3-16697 - Issued 8/8/2005) Northeast Corner of Newhall Street and Campbell Avenue	Residential	10.10	10.10	Under Construction (Grading Completed)	Stabilized construction entrance, sediment barrier, fiber rolls	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9751 (PW # 3-16712 - Issued 5/9/2006) South Side of Malone Road Approximately 240 Feet Northeasterly of Johnston Ave.	Residential	1.17	1.17	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Residential Project (PW # 3-16716 - Issued 12/1/2005) 3856 Suncrest Avenue	Residential	0.44	0.22	Grading On-going	Stabilized construction entrance, fiber rolls, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9705 (PW # 3-16722 - Issued 7/14/2005) Southeast Terminus of E. San Antonio Street and S. 34th Street	Residential	1.75	1.75	Under Construction (Grading Completed)	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9712 (PW # 3-16737 - Issued 7/20/2005) South Side of San Antonio Road, approximately 270 Feet Easterly of King Road	Residential	1.10	1.10	Grading On-going	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for an Industrial Building (PW # 3-16738 - Issued 9/15/2005) 903 Commercial Street	Non-Residential	0.58	0.58	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
New SFR Detached (PW # 3-16749 - Issued 10/28/2005) 1324 Clayton Road	Residential	0.98	0.34	Grading On-going	Stabilized construction entrance, inlet protection, silt fence	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for Tract No. 9710 (PW # 3-16753 - Issued 8/4/2005) South Side of Hillsdale Avenue, Approximately 420 Feet East of Highway 87	Residential	1.70	1.70	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Office Building and Parking Lot (PW # 3-16754 - Issued 11/22/2005) 977 & 995 Saratoga Avenue	Non-Residential	0.75	0.71	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs

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Grading for Tract No. 9737 (PW # 3-16780 - Issued 9/2/2005) West Side Of Dent Avenue, approximately 320 Feet Southerly of Branham Lane	Residential	0.63	0.60	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Commercial Building (PW # 3-16782 - Issued 11/7/2005) 987 Almaden Avenue	Non-Residential	0.36	0.36	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for A Single-Family Residence (PW # 3-16793 - Issued 10/27/2005) 1581 Calco Creek Dr.	Residential	1.08	0.11	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New R&D Building (PW # 3-16808 - Issued 9/9/2005) 1271 Story Road	Non-Residential	0.41	0.41	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9814 (PW # 3-16836 - Issued 6/13/2006) Northeast Corner of Almaden Avenue and W. Alma Avenue	Residential	0.75	0.75	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Single Family House (PW # 3-16838 - Issued 7/15/2005) 1594 Calco Creek Dr.	Residential	0.50	0.20	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Single-Family Detached Residence (PW # 3-16855 - Issued 3/30/2006) 312 Willow St.	Residential	0.12	0.12	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a Residential Project (PW # 3-16869 - Issued 9/14/2005) 2038 Biarritz Place	Residential	0.46	0.32	Under Construction (Grading Completed)	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan
Grading for Tract No. 9776 (PW # 3-16879 - Issued 4/28/2006) South Side of Neal Avenue, approximately 245 feet east of South Winchester Boulevard	Residential	0.99	0.99	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9808 (PW # 3-16887 - Issued 5/3/2006) West Side of Lincoln Avenue Approximately 230 feet Northerly of Pine	Residential	0.59	0.59	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for Tract No. 9760 (PW # 3-16889 - Issued 12/20/2005) West Side of Meridian Avenue, 600 Feet Northerly of Foxworthy Avenue	Residential	8.76	8.76	Under Construction (Grading Completed)	Stabilized construction entrance, inlet protection, fiber rolls, silt fence, soil wetting	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training
Grading for 2 Lot Subdivision (PW # 3-16898 - Issued 5/23/2006) 1113 Lincoln Court	Residential	0.28	0.27	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
To Allow Initial Grading For Phase 1 of a 401 Residential Condo Units Development in a 22-Story High-Rise. (PW # 3-16917 - Issued 9/28/2005) 88 E. San Fernando Street	Residential	1.58	1.58	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading/Mass Excavation for a 22-Story Mixed-Use High Rise (PW # 3-16917 - Issued 12/21/2005) 88 E. San Fernando Street	Residential	2.99	1.13	Grading On-going	Stabilized construction entrance, inlet protection, straw wattles	Planning/grading permits, Follow SWPPP & Erosion Control Plan, Applicant/ developer/ consultant/ contractor attend PW Erosion /Sediment Controls Training

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Landslide Repair (PW # 3-16943 - Issued 10/3/2005) 5502 Sunset Hills Court	Residential	2.57	0.53	Under Construction (Grading Completed)	Standard BMPs	Planning/grading permits, Follow BMPs
New Pool and New Retaining Wall (PW # 3-16988 - Issued 6/1/2006) 2684 Gayley Place	Residential	0.41	0.10	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading Remediation (PW # 3-16997 - Issued 4/25/2006) 170 San Ramon Drive	Residential	1.03	0	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for a New Retail Building (PW # 3-17124 - Issued 7/1/2005) 2894 S. Bascom Avenue	Non-Residential	0.23	0.23	Construction Completed	Standard BMPs	Planning/grading permits, Follow BMPs
Retaining Walls (PW # 3-18058 - Issued 4/27/2006) 2142 Chisin Street	Residential	0.60	0.02	Construction not Started	Standard BMPs	Planning/grading permits, Follow BMPs
Grading for New Single Family Dwelling (PW # 3-18059 - Issued 5/15/2006) 1691 Marseilles Court	Residential	0.37	0.37	Grading On-going	Standard BMPs	Planning/grading permits, Follow BMPs
Department of Public Works, Transportation & Development Services Division						
Public Projects						
Oakland Road Widening from Commercial Street to Montague	Public	38	2.1	Project on going	Standard BMP's	Follow BMP's Mainly sediment control
Department of Public Works, Engineering and Construction Services Division						
Public Projects						
60 Inch Sanitary Interceptor Location: Zanker Road from the San Jose/Santa Clara Water Pollution Control Plant to south of Tasman Drive	Sanitary Sewer Construction	1.9 Ac	1.9 Ac	Construction substantially completed as of December 2005.	SWPPP, BMP (street vacuuming sweeping cleaning, inlet filters, silt fence, hay bails) Rock access, outdoor material storage protection	Project Plans and Specifications
Department of Public Works, City Facilities Architectural Services Division						
Public Projects						
Edenvale Branch Library 101 Branham Lane East	Library	2 Ac	2 Ac	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
Guadalupe Garden Improvements Phase 1 Taylor St. (north), Guadalupe River Park (east), Coleman Ave. (west & south)	Recreational	16 Ac	16 Ac	Construction complete	Construction complete-Notice of Termination filed.	SWPPP
4 th /5 th Street Garage Santa Clara St., 4 th St., 5 th St.	Governmental	1.2 Ac	1.2 Ac	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP


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Central Service Yard – Phase 2 1659 Senter Rd.	Governmental	22 Ac	7.4 Ac	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
San Tomas Aquino/Saratoga Creek Trail Reach 6 Saratoga Creek between Bollinger Rd and English Dr.	Recreational	27 Ac	2 Ac	Construction complete	Construction complete-Notice of Termination filed.	SWPPP
Selma Olinder Park; Woodborough Pl. between Williams St. and Hwy 280	Recreational	12 Ac	12 Ac	Construction complete	Construction complete-Notice of Termination filed.	SWPPP
Penitencia Creek Trail Reach 2 Piedmont Rd. (west), Nobel Ave. (north & east), Penitencia Creek Rd. (south)	Recreational	26 Ac	10.7 Ac	Under Construction	SWPPP in place – stormwater controls, material protection, storage, cleaning. Erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
Bellevue Park Bellevue Ave. and Poma Ave.	Recreational	2 Ac	2 AC	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning. Erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
Los Gatos Creek Trail Reach 4 (Lonus to Auzerais) Los Gatos Creek from Lonus Ave. to Auzerais	Recreational	23 Ac	1.1 Ac	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning. Erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
Fire Station No. 25 Phase 2 2125 Wilson Way	Government	7 Ac	4.5 Ac	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning. Erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training.	SWPPP
Cambrian Branch Library 1780 Hillsdale Ave.	Library	1.6 Ac	1.3 Ac	Under Construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training	SWPPP

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Hillview Branch Library 1600 Hopkins Dr.	Library	2.5 Ac	2.5 Ac	Under Construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training	SWPPP
Evergreen Branch Library 2635 Aborn Rd.	Library	2.5 Ac	2.5 Ac	Under Construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training	SWPPP
Roosevelt Community Center 901 E. Santa Clara St.	Community Center	13.15 AC	3.86 AC	Under Construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training	SWPPP
Fowler Creek Park Development Phase 1 Altia Ave. and Michelangelo Dr.	Recreation	12 AC	10 AC	Under construction	SWPPP in place – stormwater controls, material protection, storage, cleaning, erosion and sediment controls, soil stabilization, post construction water management, waste management, maintenance, training	SWPPP
San José Redevelopment Agency						
Public Projects						
Responsibility for San José Redevelopment Agency projects was transferred to Public Works						

Public Works Erosion Control Checklist



PUBLIC WORKS DEPARTMENT
TRANSPORTATION AND DEVELOPMENT SERVICES DIVISION
EROSION CONTROL CHECKLIST

PROJECT NO. & LOCATION _____ DATE: _____

INSPECTOR: _____ Responsible Person/24-Hour Number: _____

REGULAR INSPECTION ☐ PRE-RAIN INSPECTION ☐ AFTER-RAIN INSPECTION ☐

IF PROBLEM IS NOTED, KEEP THIS REPORT UNTIL RESOLVED OR REFERRED TO ESD. ATTACH COPY OF WRITTEN WARNING & PHOTOS									
EROSION CONTROL PLAN REQUIRED?	EVIDENCE OF EROSION		VERBAL WARNING		WRITTEN WARNING		DATE		
	YES	NO	YES	NO	DATE	RESOLVED?	DATE	RESOLVED?	
HYDROSEEDING OR 3 STEP METHOD									
MATTING/EROSION CONTROL BLANKETS - **BEING TALL IF DISLOCATED OR FAILED									
STABILIZED CONSTRUCTION ACCESS - **CHECK FOR TRACKING OF MUD/DIRT ONTO STREETS, SIDEWALK, ETC.									
STRAW BALE INLET BARRIER									
SILT FENCE - **CHECK FOR TORN OR COLLAPSED AREAS									
SEDIMENT TRAP									
SEDIMENT BASINS - **CHECK SEDIMENT STORAGE ZONE **CHECK THAT DEBRIS HAS BEEN REMOVED FROM OUTFALL									
WATILES									
CATCH BASIN PROTECTION **GLASSY SACKS WITH 4-12" - 2" RIVER RUN ROCK **REPLACE CLOGGED FILTER FABRIC IMMEDIATELY									

ADDITIONAL COMMENTS

EROSION CONTROL CHECKLIST (REVISED 6/2004)

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5. PSR: Public Streets, Roads, & Highways

5.A PSR Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PSR 1	Implementation of BMPs The City of San José will implement Best Management Practices (BMPs) for street, road, and highway operation and maintenance (O&M) activities to reduce pollutants in stormwater and eliminate illicit discharges to the maximum extent practicable.			
PSR 1.A	Develop additional BMPs, as needed, when new O&M tasks are instituted.	As Needed	Done FY 05-06. Additional BMPs were included in the three Corp Yard SWPPP draft revisions.	DOT, ESD
PSR 1.B	Develop SOPs based on BMPs.	As Needed	Done FY 05-06. New SOPs were written for PSR and SDO elements (see PSR 1.D.1).	DOT, ESD
PSR 1.C	When new BMPs and SOPs are developed, integrate BMPs and SOPs into training program.	As Needed	Done FY 05-06. SWPPP BMPs were written into the May 2006 DOT Crew training and the June 2006 Corp Yard training.	DOT, ESD
PSR 1.D	Staff will review current PSR and SDO BMPs and SOPs. The annual training sessions with staff will be used as an opportunity to evaluate the effectiveness of BMPs and SOPs. BMPs and SOPs will be updated as indicated by the review.	Done FY 04-05 Annually	Done FY 05-06. The current review in the annual training indicated that no new SOPs, except the ones listed in PSR 1.D.1 are necessary.	DOT, ESD
PSR 1.D.1	Revise or write the following SOPs: <ul style="list-style-type: none"> • Sidewalk/Plaza Maintenance: Cleaning, concrete installation and replacement, surface removal and repair; • Bridge and Structure Maintenance: Painting and paint removal, repair work, and graffiti removal; • Median and Road Embankment Maintenance; • Storm Drain Line Cleaning; • Management of Storm Drain System Solid Waste; • Pump Station Inspection and Cleaning; • Drainage Ditch Cleaning. 	6/30/06	Done FY 05-06. First drafts of the listed SOPs were written and sent out for review and comment by DOT and PRNS contacts. These SOPs will be finalized prior to crew training in FY 06-07.	DOT, ESD
PSR 2	Contractor Use of BMPs The City of San José will develop and implement a process to ensure that contractors employed to perform street, road, and highway O&M activities use appropriate BMPs per URMP.			
PSR 2.A	Train contract managers for public street, road, and highway O&M contracts on related stormwater BMPs annually.	Annually	Done FY 05-06. Contract manager training was held on 1/26/06. The City received one complaint regarding contractors conducting PSR O&M activities for the City. See 5.B: <i>PSR Program Evaluation</i> for summary of complaint.	DOT, ESD
PSR 2.B	Develop standard contract language for PSR	1/31/06	Done FY 05-06. Staff drafted stormwater standard	DOT, ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	maintenance activities.		contract language for general POs and contracts; POs and contracts which contain pest management activities; and POs and contracts which contain PSR, RPW, and SDO operation and maintenance activities. A new compliance date, 1/31/06, was established during time language was being reviewed by the City Attorney's Office.	
PSR 3	City Staff Annual Training The City of San José will provide annual training to its municipal staff in the use of appropriate BMPs. The City will also provide a mechanism for obtaining feedback from staff on the implementation and effectiveness of the BMPs and Control Measures.			
PSR 3.A	Identify training goals, such as improving the focus of the training on the specific BMPs used by a section; integrating new BMPs, if any; etc.	Annually	Done FY 05-06. SWPPP training was integrated into the DOT crew training in FY 05-06.	DOT, ESD
PSR 3.B	Identify training opportunities (which could include tailgate meetings and other existing training).	Annually	Done FY 05-06. Training opportunities were identified in April 2006.	DOT, ESD
PSR 3.C	Create or revise training modules for affected City staff and contractors.	As needed	Done FY 05-06. The DOT crew training was revised to include SWPPP training.	DOT, ESD
PSR 3.C.1	Add specific components from DOT Electrical Crew training module to the general DOT Street Crew training module. These components include: asphalt/concrete removal, concrete installation and repair, and mercury lamp recycling and/or disposal.	6/30/06	Done FY 05-06. Specific components from the FY 04-05 DOT Electrical Crew training module were added to the general DOT Crew training module. Comments received in FY 04-05 DOT electrical crew training indicated that information in their training should be added to the general DOT crew training; once this was done, the DOT electrical crews were incorporated back into the general DOT crew training in FY 05-06.	ESD
PSR 3.D	Create or revise collateral material based on training modules.	As needed	Done FY 05-06. A video was included in this year's DOT Crew training – "Storm Watch, Municipal Stormwater Pollution Prevention Best Management Practices."	DOT, ESD
PSR 3.E	Schedule training with affected supervisors.	Annually	Done FY 05-06. DOT inlet cleaning crews training was scheduled with supervisors in August 2005. Training for DOT street maintenance crews was scheduled with supervisors in April 2006.	DOT, ESD
PSR 3.E.1	Develop and implement a new training module specifically for DOT electrician staff.	Done FY 04-05	Done FY 04-05.	DOT, ESD
PSR 4	Notification of Public Agencies The City of San José will inform other parties (e.g., CalTrans, the County of Santa Clara, and public utilities) conducting street, road, and highway O&M activities within its jurisdiction of the requirements to implement pollutant reduction BMPs and Control Measures in stormwater to the maximum extent practicable and eliminate illicit discharges.			
PSR 4.A	Identify conditions under which another agency will be notified regarding relevant stormwater requirements.	Done FY 02-03	Done prior to FY 02-03. The City notifies other agencies conducting street, road, and highway O&M activities within its jurisdiction of the requirements to implement BMPs and Control Measures on a complaint driven basis. When a complaint is received, a Watershed Enforcement Inspector	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			investigates the complaint and educates the agency on proper BMPs and Control Measures; a citation is issued if necessary. For each complaint the City received involving other agencies in FY 05-06, Watershed Enforcement investigated the complaint and educated the agency contacts on proper BMPs and control measures to be used when conducting PSR O&M activities within the City. No citations were issued.	
PSR 5	BMP Effectiveness Reviews As part of the annual review process, the City of San José will review and evaluate the effectiveness of its BMPs in reducing pollutants in stormwater and eliminating illicit discharges. The review and evaluation will include input from the municipal maintenance staff that implement the BMPs.			
PSR 5.A	Draft procedure for annual effectiveness reporting, including sub-procedures for gathering feedback from affected supervisors and for modifications to BMPs and SOPs as necessary.	Done FY 01-02	Done FY 01-02.	DOT, ESD
PSR 5.A.1	Review procedures for annual effectiveness evaluation. Consider obtaining feedback from supervisors on how to assess BMP effectiveness and the use of training sessions with staff as an opportunity to evaluate BMPs and SOPs.	Annually	Done FY 05-06. The annual DOT Stormwater BMP and SOP training was conducted in May 2006. Both DOT crews and supervisors attended the training conducted in May. PSR & SDO BMPs and SOPs were reviewed and feedback was requested during the training sessions. Written evaluations for the training were also distributed. Feedback received from both sources indicated that the existing BMPs and SOPs are effective and no modifications were necessary in FY 05-06. See 5.B: <i>PSR Program Evaluation</i> for the summary of training evaluation data.	DOT, ESD
PSR 5.B	Conduct evaluation of BMPs and SOPs.	Annually	Done FY 05-06. The current review in the annual training indicated that no new SOPs, except the ones listed in PSR 1.D.1 are necessary.	DOT, ESD
PSR 6	Rural Public Works Maintenance and Support Activities The City will extend its control measure strategy for PSR to address water quality impacts resulting from public works maintenance and support activities in rural areas.			
PSR 6.A	Identify City-owned properties that are applicable (under the RPW performance standard).	Ongoing	Done FY 05-06 and ongoing. In FY 02-03 the initial list of rural public works facilities under the jurisdiction of the City of San José was compiled. No new RPW facilities were identified in FY 05-06.	ESD, PRNS, DOT, GS
PSR 6.A.1	Re-evaluate the feasibility of using GIS information to identify additional applicable properties, if any.	6/30/06	Done FY 05-06. First evaluated in FY 03-04, the use of GIS information for identifying additional applicable rural public works facilities was found infeasible using available data and resources. No changes specific to criteria used to identify rural public works facilities have been made in the GIS information collected by the City, therefore it was	PRNS, GS, DOT, ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			still not feasible to use this information to identify additional applicable properties in FY 05-06.	
PSR 6.B	Develop or adapt Standard Operating Procedures (SOPs) and Best Management Practices (BMPs) for rural public works activities.	Done FY 03-04	Done FY 03-04.	PRNS, GS, DOT, ESD
PSR 6.C	Provide annual training on appropriate SOPs/BMPs to City staff that perform rural public works operations and maintenance activities. Incorporate SOPs/BMPs evaluation into annual training.	Annually	Done FY 05-06. RPW training was conducted for PRNS staff November 7-16, 2005. Five training sessions were held over a two- week period in order to accommodate a multitude of different Park staff schedules. Total attendance for the five training sessions was 37.	PRNS, GS, DOT, ESD
PSR 6.D	Through contract specifications, require contractors hired by the City to use appropriate SOPs/BMPs when performing rural public works construction or maintenance.	1/31/06	Done FY 05-06. Staff drafted stormwater standard contract language for general POs and contracts; POs and contracts which contain pest management activities; and POs and contracts which contain PSR, RPW, and SDO operation and maintenance activities. A new compliance date, 1/31/06, was established during time language was being reviewed by the City Attorney's Office.	PRNS, GS, DOT, ESD
PSR 6.E	Annually conduct an evaluation of the effectiveness of the rural public works program, report the results in the Urban Runoff Annual Report. Identify items for continuous improvement.	Annually	Done FY 05-06. The RPW BMP and SOP training was conducted in November 2005. Feedback was requested during the training, and evaluations were distributed. The feedback indicated that no modifications to the BMPs and SOPs were necessary. <i>See 5.B: PSR Program Evaluation for the summary of training evaluation data.</i>	PRNS, GS, DOT, ESD

5.B PSR Program Evaluation

Training

The City of San José provides annual training to its municipal staff in the use of appropriate BMPs. The City also provides a mechanism for obtaining feedback from staff on the implementation and effectiveness of the BMPs and Control Measures. Annual municipal staff training was held in May 2006 for the PSR and SDO program elements. Participants were given an evaluation form to fill out. Of the 189 staff that participated in the training, 104 evaluations were completed and returned. Results of the completed evaluations are summarized below:

- 88% responded that the training subjects taught are appropriate to their work;
- 87% responded that the BMPs/SOPs described match their work practices;
- 93% responded that the training adequately described the relationship of BMPs/SOPs to compliance with the City's Stormwater NPDES permit;
- 91% responded that the training adequately explained how they, City staff, can help the City maintain compliance with the Stormwater NPDES permit; and
- 90% responded that the training adequately explained a SWPPP.

Once the draft SOPs listed in PSR 1.D.1 and SDO 1.D.1 are reviewed and approved, the SOPs will be included in the FY 06-07 DOT crew training. In addition, training will be conducted in FY 06-07 for City staff and City contractors that perform surface cleaning at City facilities.

The City's control measure strategy for PSR also addresses water quality impacts resulting from public works maintenance and support activities in rural areas. Training was held in November 2005. Participants were generally positive about the content and relevance of the training session to their work. Of the 37 staff that participated in the training, 32 evaluations were completed and returned. Results of the completed evaluations are summarized below:

- 100% responded that the training subjects taught are appropriate to their work;
- 100% responded that the BMPs/SOPs described match their work practices;
- 100% responded that the training adequately described the relationship of BMPs/SOPs to compliance with the City's Stormwater NPDES permit; and
- 100% responded that the training adequately explained how they, City staff, can help the City maintain compliance with the Stormwater NPDES permit.

The RPW training schedule will be re-evaluated in FY 06-07 in order to coordinate more efficiently with PRNS staff schedules.

Contractor Use of BMPs

In FY 05-06, one complaint was received involving a City of San José contractor. A WE inspector went out to the location of the complaint, discovered the contractor discharging water to the storm drain from a leaking street sweeper (truck overflowed with water from hydrant). The street sweeper operator was told to cease the discharge, stop the truck from leaking, clean up the affected area, and protect the storm drain from future discharges. The discharge was stopped and the area cleaned up immediately. An Official Warning Notice was issued to the company, the inspector spoke to the maintenance manager, and appropriate BMPs were distributed. In FY 06-07, an additional step will be added in response to complaints involving City contractors conducting PSR and SDO O&M activities. The contract manager for the City contract involved in a stormwater complaint will also be notified.

Informing Other Agencies

In past years, the City of San José has informed other parties (e.g., CalTrans, the County of Santa Clara, public utilities) conducting street, road, and highway O&M activities within its jurisdiction of the requirements to implement pollutant reduction BMPs and control measures in stormwater to the maximum extent practicable and eliminate illicit discharges on a complaint driven basis. When a complaint is received, a Watershed Enforcement Inspector investigates the complaint and educates the agency on proper BMPs and Control Measures, and issues a citation if necessary. This method will continue to be used in FY 06-07, with the addition of letters sent by the City to public agencies that conduct PSR O&M activities within the City's jurisdiction informing them of the requirement to implement appropriate BMPs and control measures while conducting their work.

BMP Effectiveness Review

As part of the annual review process, the City of San José reviews and evaluates the effectiveness of its BMPs in reducing pollutants in stormwater and eliminating illicit discharges. The review and evaluation includes input from the municipal maintenance staff that implements the BMPs. BMP effectiveness is evaluated using staff feedback gathered from training sessions. See training evaluation above. The City received one complaint regarding contractors conducting PSR O&M activities for the City. In FY 06-07, letters will be sent to City contractors conducting PSR and SDO O&M activities with a reminder to use appropriate BMPs while conducting their work.

Street Sweeping Program

The City conducts an extensive Street Sweeping program, involving the sweeping of the central business district; arterials, collectors, and bicycle lanes; and residential streets. Annually, the City sends out a calendar of the street sweeping schedule to each single-family dwelling, and asks neighborhood associations within the City to include reminders in their association newsletters for moving parked vehicles on street sweeping days. The City is continuing to expand the areas in which parking restrictions are required and enforced to improve the effectiveness of the street sweeping program. In FY 05-06, the enforcement area was broadened from 160 to 196 curb miles. The City anticipates expanding the areas in which parking restrictions are required and enforced for street sweeping by approximately 40 curb miles in FY 06-07.

5.C PSR Response to Water Board Comments

No comments received from Water Board on this Program Element.

5.D PSR Summary Tables / Additional Information

Parks Included in the Rural Public Works Performance Standard

Name of Park	Location	Acreage	Type of Park
Almaden Lake Park	Almaden Expwy & Coleman	64.9	Regional
Alum Rock Park	Alum Rock & Penitencia Creek	718.0	Regional
Emma Prusch Farm Park	Story & King	43.5	Regional
Guadalupe River Park	Between Hwy 880 and 280 along Guadalupe River in downtown San José	205.0	Regional
Kelley Park	Senter & Story	138.0	Regional
Lake Cunningham Park/Raging Waters	Capitol & Tully	202.0	Regional
Montgomery Hill Park	Yerba Buena & Murillo	59.6	Neighborhood
Overfelt Gardens	Education Park & McKee	32.6	Regional

6. SDO: Storm Drain System Operation & Maintenance

6.A SDO Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
SDO 1	O&M BMP Implementation The City of San José will implement best management practices (BMPs) for the storm drain system operation and maintenance (O&M) to reduce pollutants in stormwater to the maximum extent practicable. Specific BMPs for each type of O&M activity are those listed in the City's Urban Runoff Management Plan (URMP).			
SDO 1.A	Develop additional BMPs, as needed, when new O&M tasks are instituted (including structural controls if necessary).	As Needed	Done FY 05-06. Additional BMPs were included in the three Corp Yard SWPPP draft revisions.	DOT, ESD
SDO 1.B	Develop SOPs based on BMPs.	As Needed	Done FY 05-06. New SOPs were written for PSR and SDO elements (see SDO 1.D.1).	DOT, ESD
SDO 1.C	When new BMPs and SOPs are developed, integrate BMPs and SOPs into training program.	As Needed	Done FY 05-06. The BMPs in the three draft SWPPPs were written into the May 2006 DOT Crew training and the June 2006 Corp Yard training.	DOT, ESD
SDO 1.D	Staff will review current PSR and SDO BMPs and SOPs. The annual training sessions with staff will be used as an opportunity to evaluate the effectiveness of BMPs and SOPs. BMPs and SOPs will be updated as indicated by the review.	Done FY 04-05 Annually	Done FY 05-06. The current review in the annual training indicated that no new SOPs, except the ones listed in SDO 1.D.1 are necessary.	DOT, ESD
SDO 1.D.1	Revise or write the following SOPs: <ul style="list-style-type: none"> • Sidewalk/Plaza Maintenance: Cleaning, concrete installation and replacement, surface removal and repair; • Bridge and Structure Maintenance: Painting and paint removal, repair work, and graffiti removal; • Median and Road Embankment Maintenance; • Storm Drain Line Cleaning; • Management of Storm Drain System Solid Waste; • Pump Station Inspection and Cleaning; • Drainage Ditch Cleaning. See PSR 1.D.1.	6/30/06	Done FY 05-06. First drafts of the listed SOPs were written and sent out for review and comment by DOT and PRNS contacts. These SOPs will be finalized prior to crew training in FY 06-07.	DOT, ESD
SDO 2	Problem Tracking and Process Improvement The City of San José will develop and implement processes for tracking problem areas and ensuring that appropriate BMPs and SOPs will be implemented for storm drain operation and maintenance activities.			
SDO 2.A	Implement an annual inspection and cleaning work plan to achieve a Tier II level review.	Ongoing	Done FY 05-06 and ongoing. The FY 05-06 Storm Inlet Cleaning Program was conducted September 2005-January 2006. For inlet cleaning, DOT schedules and	DOT

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			implements the inspection and cleaning schedule annually. To date, the City has been able to achieve a Tier 2 level review with a modified implementation timeframe. In FY 06-07, the City's intent is to continue the Tier 2 level review. However, due to budget constraints, the extended window for implementation of Tier 2 may be needed. In FY 05-06, over 28,500 inlets were inspected and, if needed, cleaned.	
SDO 2.B	Evaluate criteria for collecting data from City field personnel for the purposes of determining Problem Areas.	As Needed	Done FY 05-06. DOT and ESD staff met on August 1, 2005 to evaluate the FY 04-05 Storm Inlet Cleaning Program data collected and mapped using GIS. Upon evaluation it was decided that new criteria for data collection was needed to better understand the "car on catch basin" data, "silt sack" data, and whether or not a service request was written to follow up on problems that the cleaning crew could not resolve. A new data collection procedure was developed for "car on catch basin." Crews were to check the "car on catch basin" box if they came across a car parked over a catch basin. If the crew returned to the site to check if the car had been moved, they were to record each time they returned to the site. If the crew returned and no car was parked over the catch basin, so that the catch basin could be cleaned, the crew was to record that the catch basin was cleaned. After reviewing the FY 05-06 inlet cleaning data, it appears that the implementation of this procedure was not uniform. See 6.B: <i>SDO Program Evaluation</i> for proposed changes.	DOT, ESD
SDO 2.C	Revise documentation and problem area reporting procedure, if necessary, to improve reporting performance. Documentation to include frequency, nature, and type of recurring problem. Include coordination of data from ICID and Storm Drain Management System data sources. Include analysis of data to identify trends for targeting solutions.	As Needed	Done FY 05-06. DOT staff revised the Storm Inlet Cleaning data collection form in September 2005, prior to the crew training.	DOT, ESD
SDO 2.D	Produce Problem Area report.	Annually	Done FY 05-06. FY 05-06 Storm Inlet Cleaning Program Problem Area Report was produced by DOT staff in January 2006.	DOT
SDO 2.E	Address Problem Areas through ICID enforcement/ education activities, additional BMP development, program development or retrofit.	As Needed	Done FY 05-06. DOT and ESD staff met with Construction Inspection Supervisors to address abandoned, and/or un-maintained, construction site silt sacks and gravel bags at storm inlets in public right-of-	DOT, ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			ways. DOT supervisors are to email the PW representative with the location of any silt sacks in question. The PW representative will send inspectors out to the site to check it out if it is a development project or pass on the information to other Public Works staff if the site is under their responsibility. If the silt sack is associated with a construction site, PW inspectors will require that the construction site maintain the silt sack. If the silt sack is not associated with a construction site, DOT will be notified so that the silt sack can be removed.	
SDO 3	Contractor Use of BMPs The City will develop and implement, as needed, a process to ensure that contractors employed to perform storm drain O&M activities use the appropriate BMPs. NOTE: All City SDO O&M is conducted in-house, and City staff receives BMP/SOP training annually. The only time storm drain maintenance might be contracted out would be for a rare flood emergency situation. The City has standard specifications that cover storm drain BMPs for construction activities.			
SDO 3.A	Train contract managers for SDO O&M contracts on related stormwater BMPs.	Annually	Done FY 05-06. Contract manager training was held on 1/26/06. The City did not receive any complaints regarding contractors conducting SDO O&M activities for the City.	DOT, ESD
SDO 4	Staff Training and BMP Feedback The City of San José will provide annual training to its municipal staff in use of appropriate BMPs and/or Control Measures. The City will also provide a mechanism for obtaining feedback from staff on implementation and effectiveness of BMPs and Control Measures.			
SDO 4.A	Provide training prior to the rainy season.	Annually	Done FY 05-06. Training conducted in September 2005 for inlet cleaning crews, and May 2006 for DOT crews.	DOT, ESD
SDO 4.B	Create or revise training modules for affected City staff.	As Needed	Done FY 05-06. SWPPP training was integrated into the DOT crew training in FY 05-06, and a SWPPP training module was developed for the Corp Yards' maintenance staff.	DOT, ESD
SDO 4.B.1	Improve the focus of the training on the specific BMPs used by a section.	As Needed	Done FY 04-05.	DOT, ESD
SDO 4.B.2	Provide specific training to inlet cleaning crews on IMSPAR data collection in advance of inlet cleaning program implementation.	Annually	Done FY 05-06. DOT Storm Inlet Cleaning Program crew training was conducted on September 21 & 22, 2005.	
SDO 4.B.3	Add specific components from DOT Electrical Crew training module to the general DOT Street Crew training module. These components include: asphalt/concrete removal, concrete installation and repair, and mercury lamp recycling and/or disposal.	6/30/06	Done FY 05-06. Specific components from the FY 04-05 DOT Electrical Crew training module were added to the general DOT Crew training module. Comments received from FY 04-05 DOT electrical crew training indicated that information in their training should be added to the general DOT crew training; once this was done, the DOT electrical crews were incorporated back into the general DOT crew training in FY 05-06.	ESD
SDO 4.C	Produce schedule for training.	Annually	Done FY 05-06. DOT inlet cleaning crews training was scheduled with supervisors in August 2005. Training for	DOT, ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			DOT street maintenance crews was scheduled with supervisors in April 2006.	
SDO 5	Data Analysis As part of the annual review process, the City of San José will evaluate data regarding cleaning activities and unusual flows observed during inspection. The review and evaluation will include consideration of storm drain structural retrofit.			
SDO 5.A	Draft procedure for annual review and evaluation of data.	Done FY 01-02	Done FY 01-02.	DOT, ESD
SDO 5.A.1	Collect data on the amount of materials removed during inlet cleaning.	Done FY 04-05 Annually	Done FY 05-06. Data was collected, by DOT crews, on the amount and type of materials removed during the FY 05-06 Storm Inlet Cleaning Program.	DOT, ESD
SDO 5.B	Implement annual data review and identify follow-up actions as appropriate.	Annually	Done FY 05-06. The FY 05-06 Storm Inlet Cleaning Program Problem Area data was reviewed and follow-up actions were identified. See 6.B: <i>SDO Program Evaluation</i> .	DOT, ESD
SDO 5.B.1	Evaluate how follow up is conducted by crews when "cars on catch basins" is identified on the IMSPAR report, in order to better understand to what extent parked cars are a barrier to cleaning.	6/30/06	Done FY 05-06. A new procedure was introduced in FY 05-06 for when crews encountered a car on a catch basin during the storm inlet cleaning program. Crews were to note on their data collection sheet that a car was parked over a catch basin, and therefore the catch basin could not be cleaned. If the crew was able to go back to the catch basin at a later time in an attempt to inspect and clean the catch basin again, they were to record it on the data collection sheet for each time they went back. If they were finally able to clean the catch basin, that was to be recorded on the data collection sheet also.	DOT, ESD
SDO 5.B.2	Evaluate how to integrate the results of the IMSPAR report, regarding garbage and high debris, into scheduling additional cleaning into FY 05-06 and subsequent years.	6/30/06	Done FY 05-06. Some additional cleaning was conducted in FY 05-06. Conducting additional cleaning will be evaluated again in FY 06-07 using the FY 05-06 Storm Inlet Cleaning data collected.	DOT, ESD
SDO 5.B.3	Evaluate use of hand held devices to collect data during storm drain inlet cleaning and potentially other maintenance activities.	6/30/06	Done FY 05-06. The use of hand held devices to collect data during storm drain inlet cleaning and potentially other maintenance activities was evaluated in FY 05-06 and found to be infeasible at this time.	DOT, ESD
SDO 6	BMP Effectiveness Reviews As part of the annual review process, the City of San José will review and evaluate the effectiveness of its BMPs in reducing pollutants in stormwater and eliminating illicit discharges.			
SDO 6.A	Review with supervisors to get feedback and information on how to assess BMP effectiveness.	As Needed	Done FY 05-06. DOT supervisors attended annual training. Evaluations were distributed to elicit information on BMP and SOP effectiveness. Feedback received indicates that the BMPs and SOPs are effective, with only the SOP listed in SDO 1.D.1 needing modification.	DOT, ESD
SDO 6.B	Use annual training sessions with staff as an	Annually	Done FY 05-06. DOT Stormwater BMP and SOP training	DOT, ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	opportunity to evaluate the effectiveness of BMPs & SOPs.		<p>was conducted in May 2006.</p> <p>Both DOT crews and supervisors attended the training conducted in May. PSR & SDO BMPs and SOPs were reviewed and feedback was requested during the training sessions. Written evaluations for the training were also distributed. Feedback received from both sources indicated that the BMPs and SOPs are effective and only the SOP listed in SDO 1.D.1 needed modification in FY 05-06.</p> <p>See 6.B: <i>SDO Program Evaluation</i> for the summary of training evaluation data.</p>	

6.B SDO Program Evaluation

Training

The City of San José provides annual training to its municipal staff in use of appropriate BMPs. The City also provides a mechanism for obtaining feedback from staff on implementation and effectiveness of BMPs and Control Measures. See 5.B: *PSR Program Evaluation, Training* for results. Once the draft SOPs listed in PSR 1.D.1 and SDO 1.D.1 are reviewed and approved, the SOPs will be included in the FY 06-07 DOT crew training. In addition, training will be conducted in FY 06-07 for City staff and City contractors that perform surface cleaning at City facilities.

Storm Inlet Cleaning Program Data Review

As part of the annual review process, the City of San José evaluates data regarding cleaning activities and unusual flows observed during inspection. The review and evaluation includes consideration of storm drain structural retrofit. The City reviews data on cleaning activities via the Infrastructure Maintenance Division Storm Drain System Problem Area Report (IMSPAR). The data collection criteria developed in FY 04-05 for the Storm Inlet Cleaning program continued to work well. This was the second year that quantifiable data was collected by the inlet cleaning crews. In FY 05-06, the data collection form used check boxes for identifying each problem type. This made it easier for crews to record multiple problems at one inlet. Evaluation of the FY 05-06 IMSPAR data indicates that approximately 6% of the City's storm drain inlets and catch basins had a problem associated with them. The key problems for urban runoff were:

1. Cars parked over catch basins (~1.5%) – crews could not reach the catch basin to clean it. During review, the City considered options for minimizing parked cars but concluded that sign posting would be cost prohibitive at this time. Currently staff return to these catch basins at least once for subsequent cleaning attempts.
2. High Debris (~1.4%) – debris (leaves, lawn clippings, dirt and other natural materials) in excess of 3 feet deep in catch basin.
3. Garbage (~1.3%) – volume of garbage (paper, bottles, cans, and other man-made waste) in excess of a full grocery bag.
4. Illicit pollution (~0.1%) – materials such as concrete, antifreeze, oil, paint, etc. that appear to have been intentionally dumped into the catch basin. Maintenance staff are directed to contact Environmental Enforcement when this issue is identified.
5. Other problems encountered included roots, construction, silt sacks, and no access to catch basin (grate could not be opened).

Upon review of the IMSPAR data, the City identified several potential changes for FY 06-07. In regards to cars on catch basins, the City will further evaluate how crews conduct follow up when this issue is identified in order to better understand to what extent parked cars are a barrier to cleaning. These data will be evaluated to see if they can be used as one of the factors in determining where future posted signage for street sweeping restrictions will occur. In regards to the "high debris" issue, the City will evaluate how to integrate the results of the IMSPAR report into scheduling additional inlet cleanings for FY 06-07 and subsequent years. While budget constraints are an important driver for defining the level of effort practicable, the IMSPAR report can focus City efforts in areas where additional inlet cleaning can be the most valuable.

In FY 05-06, ESD evaluated the proposal to employ hand held devices to collect data during catch basin cleaning and potentially other maintenance activities. With current budget and staffing constraints within DOT, employing hand held devices was not found to be feasible. The proposal will be re-evaluated in FY 07-08.

The City's DOT is exploring potential funding opportunities, including grants, for the purchase of additional vector trucks in FY 06-07. The vector trucks would be used for both sanitary and storm drain cleaning, and would increase the efficiency for a crew that currently has to conduct cleanings manually.

BMP Effectiveness

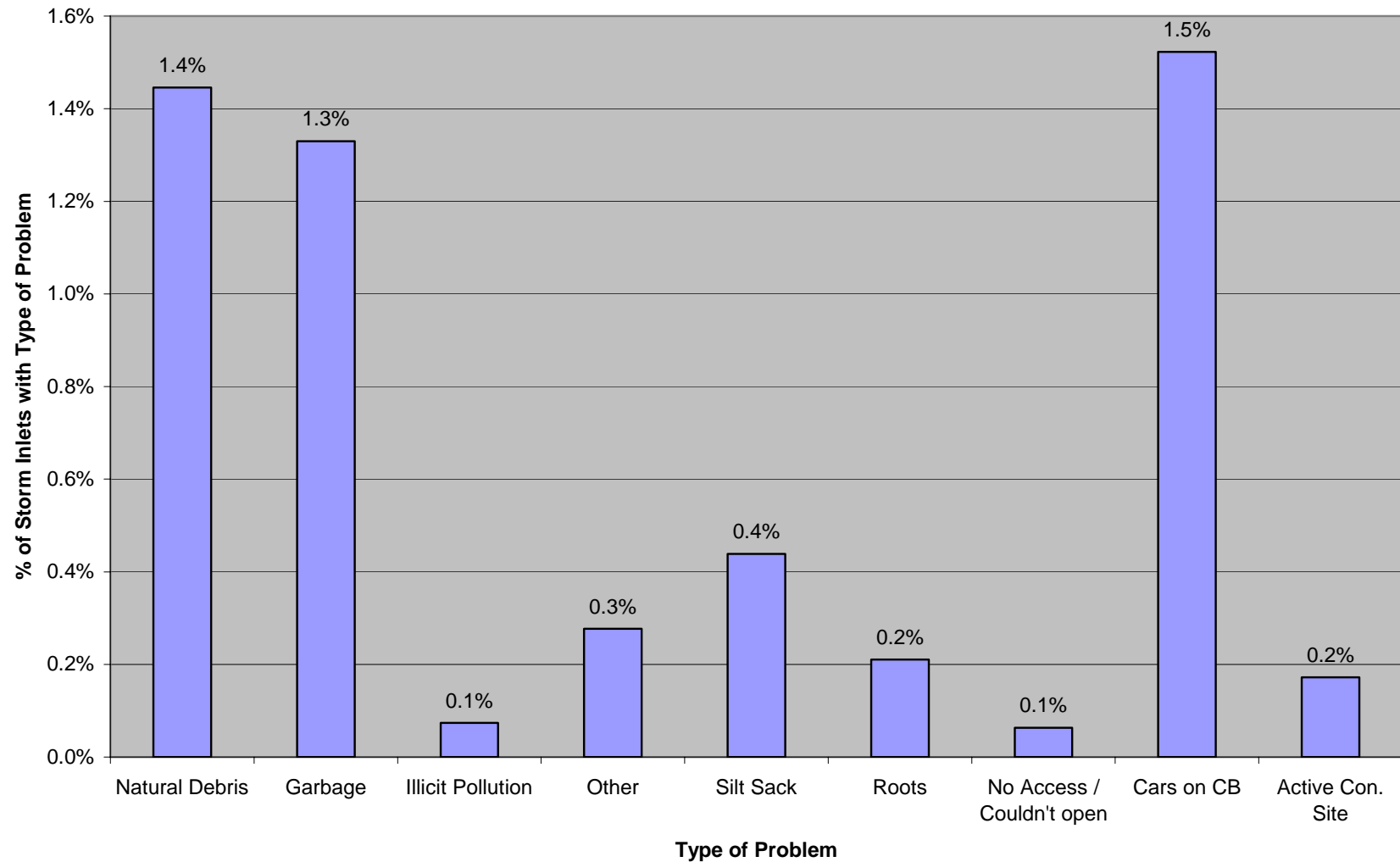
As part of the annual review process, the City of San José reviews and evaluates the effectiveness of its BMPs in reducing pollutants in stormwater and eliminating illicit discharges. BMP effectiveness is evaluated using staff feedback gathered from training sessions. See *5.B PSR Program Evaluation, BMP Effectiveness Review* for results.

6.C SDO Response to Water Board Comments

No comments received from Water Board on this Program Element.

6.D SDO Summary Tables / Additional Information

FY 05-06 Storm Inlet Cleaning Program Problem Area Data



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7. WUOM: Water Utilities Operations & Maintenance

7.A WUOM Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
WUOM 1	Inventory of O&M Activities The City of San José's Municipal Water System will conduct an inventory of all-key operations and maintenance activities, and identify routine and unplanned non-stormwater discharges from these activities. This inventory will be conducted every three years and evaluated at least once a year.			
WUOM 1.A	Review current procedures for operations and maintenance.	Annually	Done FY 05-06. The current procedures have been reviewed and no change is recommended at this time.	ESD-Muni
WUOM 1.B	Three-year update of list.	3/31/06 Every 3 years	Completed 3/06. Next inventory not due until 3/09. See Table 7.D: <i>Inventory of Potential Water Utility Discharges</i>	ESD-Muni
WUOM 2	Implementation of WUPPP The City of San José's Municipal Water System will implement the pollution control measures identified in the Water Utility Pollution Prevention Plan (WUPPP) to manage chlorine, biocides, and algaecides and prevent erosion and sedimentation.			
WUOM 2.A	Implement WUPPP/Report on activities	Ongoing	Done FY 05-06. WUPPP was implemented in 2000. Muni Water staff and their contractors comply with the BMPs and SOPs included in the WUPPP.	ESD-Muni
WUOM 3	Staff Training and Contractor WUPPP Compliance The City of San José's Municipal Water System will conduct annual training for municipal staff and coordinate WUPPP elements with water utility project planning, including WUPPP elements (BMPs, conditions, specifications, etc., in contract and services agreements).			
WUOM 3.A	Implement training program.	Annually, Q2	Done on December 8, 2005. See 13.D: <i>Municipal Employee Training Summary</i> .	ESD-Muni
WUOM 4	WUPPP Effectiveness Evaluation The City of San José's Municipal Water System will evaluate the effectiveness of the WUPPP annually. Maintain accurate documentation and revise the WUPPP as necessary.			
WUOM 4.A	Evaluation effectiveness of program.	Annually, Q4	Done FY 05-06. Muni Water has developed an evaluation program, which includes evaluating one of the SOPs annually. See 7.B: <i>WUOM Program Evaluation</i> .	ESD-Muni

7.B WUOM Program Evaluation

The City's Municipal Water System evaluation process consists of reviewing one SOP or BMP from start to finish on an annual basis. This effort is combined with a training program in which Muni Water staff creates a training video of the SOP or BMP being reviewed. Staff and others involved in the process then view the video for training. The paperwork process (checklist for that BMP) is discussed and then the forum is opened up for discussion. Individuals who perform the activity share their thoughts on what works and what does not work. The facilitator (typically, a designated supervisor) writes down the comments and suggestions. When appropriate, the SOP or BMP is revised to incorporate the results of the discussion.

For FY 05-06, Muni Water conducted an evaluation of the SOP for hydrant flushing. This evaluation took place in December 2005. A training video was made in accordance with the SOP outlined in the "Water Utility Operation and Maintenance Discharge Pollution Prevention Plan." Staff and a responsible representative of Muni Water's contractor attended the training session and viewed the video. After viewing the video, staff discussed the pros and cons of the procedure. Staff found the procedures to be satisfactory and effective for meeting the goals of the URMP. No changes were recommended at this time.

Contractor performance for Muni Water is monitored by staff inspection. If the contractor fails to follow BMPs, the Muni Water inspector on the job will notify the contractor. In addition, Muni Water may receive complaints from other parties; however, this is not typical since the inspector usually resolves issues right away.

7.C WUOM Response to Water Board Comments

No comments received from Water Board on this Program Element.

7.D WUOM Summary Tables / Additional Information

Inventory of Potential Water Utility Discharges

This inventory is performed by the Municipal Water System Division at least once every three years, as required by the Water Utility O&M Discharge Performance Standard. It is modeled on the Santa Clara Valley Urban Runoff Pollution Prevention Program's model inventory. A separate inventory is performed in each service zone (North S.J., Evergreen, Edenvale, Coyote, South Bay Water Recycling). Not all discharge and information categories will apply (such as raw water discharges and the locations of hydrant flushing). For additional guidance on completing this inventory, see the inventory given in Appendix C-1 of the San Jose Water Municipal Utility Operation and Maintenance Discharge Pollution Prevention Plan.

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
SJMWS – COYOTE						
I. UN-TREATED GROUNDWATER						
1. Hydrant flushing	Throughout System	12,000 gal	1000	Every 3 years	Planned	None
2. Fire flow testing	N/A					
3. Main line breaks	System	Varies	Varies	Varies	Unplanned	None
4. Service line breaks	System	Varies	Varies	Varies	Unplanned	None
5. Reservoir tank cleaning	Reservoir Site	58,000 gal	240	Every 5 years	Planned	None
6. Reservoir tank draining	N/A					
7. Sheared hydrants	N/A					
8. Meter testing in the field	N/A					
9. Backflow testing	N/A					
10. Pump station operation discharge	N/A					

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
11. Mainline cleaning (pigging)	N/A					
12. Exercising interconnection valves	N/A					
13. Blow offs	N/A					
14. Pressure release valve blow offs	N/A					
15. Air release valve blow offs	N/A					
16. Water quality sampling	Blanchard sampling site	100 gal	10	1 per month	planned	none
17. Facility landscape irrigation	N/A					
18. WTP filter bank inspection	N/A					
19. WTP filter turbidimeter	N/A					
20. WTP chlorine analyzer	N/A					
21. Elect. Generator cooling water	N/A					
22. Pumping out sumps, vaults, etc., for maintenance	N/A					
II. RAW (UNTREATED) WATER						
1. In stream recharge program	N/A					
2. Pipeline modification or maintenance	N/A					
3. Meter testing facility	N/A					
4. Percolation ponds maint. activities	N/A					
III. GROUNDWATER						
1. Artesioning wells	N/A					
2. Well sampling	Well Sites 21,22,23	54,000 gal	1200 gpm	once per year/varies	Planned	none
3. Well rehabilitation/ maintenance	Well Sites	7.2 MG	2500	One time only	Planned	none
4. Well first-flush-to-waste cycle at startup	Well Sites 21,22,23	4500 gal	1500 gpm	Varies 1/3 days	Planned	none
5. Well chlorination (disinfection) and flushing	N/A					
6. Well destruction	N/A					
7. Excavation dewatering	N/A					
IV. NON-POTABLE						

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
1. Main line breaks	N/A					
2. Service line breaks	N/A					
6. Mainline cleaning (pigging)	N/A					
7. Pump station operation discharges	N/A					
9. Blow offs	N/A					
10. Air release valve blow offs	N/A					
VI. OTHER						
1. Dust Control	N/A					
2. Excessive landscape irrigation	N/A					
SOUTH BAY WATER RECYCLING						
V. RECYCLED (RECLAIMED) WATER						
1. Main line breaks	System	Varies	Varies	Varies	Unplanned	Chlorine
2. Service line breaks	System	Varies	Varies	Varies	Unplanned	Chlorine
3. Reservoir tank overflow	N/A					
4. Meter testing in the field	Various	1000 gal	100	Every 2 years	Planned	Chlorine
5. Backflow testing						
6. Mainline cleaning (pigging)						
7. Pump station operation discharge						
8. Blow offs						
SJMWS - EDENVALE						
I. UN-TREATED GROUNDWATER						
1. Hydrant flushing	Throughout System	400,000 gal	1000	Every 3 years	Planned	None
2. Fire flow testing	Varies	50,000 gal	5000	As required	Planned	None
3. Main line breaks	System	Varies	Varies	Varies	Unplanned	None
4. Service line breaks	System	Varies	Varies	Varies	Unplanned	None
5. Reservoir tank cleaning	Reservoir Site	58,000 gal	240	Every 5 years	Planned	None

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
6.Reservoir tank draining	N/A					
7.Sheared hydrants	N/A					
8.Meter testing in the field	Various	1000 gal	100	Every two years	Planned	None
9.Backflow testing	N/A					
10.Pump station operation discharge	N/A					
11.Mainline cleaning (pigging)	N/A					
12.Exercising interconnection valves	N/A					
13.Blow offs	N/A					
14.Pressure release valve blow offs	N/A					
15.Air release valve blow offs	N/A					
16.Water quality sampling	Various	50 gal	10	2/week	Planned	None
17.Facility landscape irrigation	N/A					
18.WTP filter bank inspection	N/A					
19.WTP filter turbidimeter	N/A					
20.WTP chlorine analyzer	N/A					
21.Elect. Generator cooling water	N/A					
22.Pumping out sumps, vaults, etc., for maintenance	N/A					
II. RAW (UNTREATED) WATER						
1.In stream recharge program	N/A					
2.Pipeline modification or maintenance	N/A					
3.Meter testing facility	N/A					
4.Percolation ponds maint. activities	N/A					
III. GROUNDWATER						
1.Artesioning wells	N/A					
2.Well sampling	Well Sites 11,12,13	154,000 gal	1200 gpm	once a year/varies	Planned	none
3.Well rehabilitation/ maintenance	N/A					

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
4. Well first-flush-to-waste cycle at startup	Well Sites 11,12,13	4,500 gal	1500 gpm	Varies 1/3 days	Planned	none
5. Well chlorination (disinfection) and flushing	N/A					
6. Well destruction	N/A					
7. Excavation dewatering	N/A					
IV. Non Potable						
1. Main line breaks	N/A					
2. Service line breaks	N/A					
6. Mainline cleaning (pigging)	N/A					
7. Pump station operation discharges	N/A					
9. Blow offs	N/A					
10. Air release valve blow offs	N/A					
VI. OTHER						
1. Dust Control	N/A					
2. Excessive landscape irrigation	N/A					
SJMWS - EVERGREEN						
I. TREATED WATER						
1. Hydrant flushing	Throughout System	10 MG	1000	Every 3 years	Planned	Fluoride/ Chloramines
2. Fire flow testing	Varies	30,000 gal	3000	1-3 years	Planned	Fluoride/ Chloramines
3. Main line breaks	System	Varies	Varies	Varies	Unplanned	Fluoride/ Chloramine
4. Service line breaks	System	Varies	Varies	Varies	Unplanned	Fluoride/ Chloramines
5. Reservoir tank cleaning	13 Sites	.74 MG	240	Every 5 years	Planned	Fluoride/ Chloramines
6. Reservoir tank draining	N/A					

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
7. Sheared hydrants	N/A					
8. Meter testing in the field	Various	0.5 MG	100	Every two years	Planned	Fluoride/ Chloramines
9. Backflow testing	N/A					
10. Pump station operation discharge	N/A					
11. Mainline cleaning (pigging)	N/A					
12. Exercising interconnection valves	N/A					
13. Blow offs	N/A					
14. Pressure release valve blow offs	N/A					
15. Air release valve blow offs	N/A					
16. Water quality sampling	Various	1,150 gal	10	23 per week	Planned	Fluoride/ Chloramine
17. Facility landscape irrigation	7 Sites	1,400 gal	10	Once per week	Planned	Fluoride / Chloramines
18. WTP filter bank inspection	N/A					
19. WTP filter turbidimeter	N/A					
20. WTP chlorine analyzer	N/A					
21. Elect. Generator cooling water	N/A					
22. Pumping out sumps, vaults, etc., for maintenance	N/A					
II. RAW (UNTREATED) WATER						
1. In stream recharge program	N/A					
2. Pipeline modification or maintenance	N/A					
3. Meter testing facility	N/A					
4. Percolation ponds maint. activities	N/A					
III. GROUNDWATER						
1. Artesioning wells	N/A	Discharge only as shown below				
2. Well sampling	Loupe Tuers 2,3,4,5	90,000 gal	1500	once a year/varies	Planned	none

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
3. Well rehabilitation/ maintenance	None					
4. Well first-flush-to-waste cycle at startup	Loupe Tuers 2,3,4,5	4,500 gal	1500 gpm	As needed	Unplanned emergency	none
5. Well chlorination (disinfection) and flushing	N/A					
6. Well destruction	N/A					
7. Excavation dewatering	N/A					
IV. Non Potable						
1. Main line breaks	N/A					
2. Service line breaks	N/A					
6. Mainline cleaning (pigging)	N/A					
7. Pump station operation discharges	N/A					
9. Blow offs	N/A					
10. Air release valve blow offs	N/A					
VI. OTHER						
1. Dust Control	N/A					
2. Excessive landscape irrigation	N/A					
SJMWS – NORTH SAN JOSE/ALVISO						
I. TREATED WATER						
1. Hydrant flushing	Throughout System	3 MG	1000	Every 3 years	Planned	Fluoride/ Chloramines
2. Fire flow testing	Varies	75,000 gal	5000	1-3 years	Planned	Fluoride/ Chloramines
3. Main line breaks	System	Varies	Varies	Varies	Unplanned	Fluoride/ Chloramines
4. Service line breaks	System	Varies	Varies	Varies	Unplanned	Fluoride/ Chloramines
5. Reservoir tank cleaning	Reservoir Sites	115,000 gal	240	Every 5 years	Planned	Fluoride/ Chloramines
6. Reservoir tank draining	N/A					
7. Sheared hydrants	N/A					

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
8. Meter testing in the field	Various	1000 gal	100	Every two years	Planned	Fluoride/ Chloramines
9. Backflow testing	N/A					
10. Pump station operation discharge	N/A					
11. Mainline cleaning (pigging)	N/A					
12. Exercising interconnection valves	N/A					
13. Blow offs	N/A					
14. Pressure release valve blow offs	N/A					
15. Air release valve blow offs	N/A					
16. Water quality sampling	Various	200 gal	10	4 per week	Planned	Fluoride/ Chloramines
17. Facility landscape irrigation	Trimble	200 gal	10	Once per week	Planned	Fluoride/ Chloramines
18. WTP filter bank inspection	N/A					
19. WTP filter turbidimeter	N/A					
20. WTP chlorine analyzer	N/A					
21. Elect. Generator cooling water	N/A					
22. Pumping out sumps, vaults, etc., for maintenance	N/A					
II. RAW (UNTREATED) WATER						
1. In stream recharge program	N/A					
2. Pipeline modification or maintenance	N/A					
3. Meter testing facility	N/A					
4. Percolation ponds maint. activities	N/A					
III. GROUNDWATER						
1.Artesioning wells	NSJ Wells 1,2	unkown	unkown	unkown	Unplanned	
2.Well sampling	NSJ Wells 1,2,3,4	90,000 gal	1000	Once a year	Planned	none
3.Well rehabilitation/ maintenance	N/A					
4.Well first-flush-to-waste cycle at startup	NSJ Wells 1,2,3,4	4,500 gal	1500	As needed	Unplanned	none

DISCHARGE ACTIVITY	DISCHARGE LOCATION	ESTIMATED QUANTITY	ESTIMATED RATE (G.P.M.)	ESTIMATED FREQUENCY (PER YEAR)	PLANNED / UNPLANNED	KNOWN CHEMICAL ADDITIVES
					emergency	
5. Well chlorination (disinfection) and flushing	N/A					
6. Well destruction	N/A					
7. Excavation dewatering	N/A					
IV. NON-POTABLE						
1. Main line breaks	N/A					
2. Service line breaks	N/A					
6. Mainline cleaning (pigging)	N/A					
7. Pump station operation discharges	N/A					
9. Blow offs	N/A					
10. Air release valve blow offs	N/A					
VI. OTHER						
1. Dust Control	N/A					
2. Excessive landscape irrigation	N/A					

8. PM: Pesticide Management

8.A PM Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PM 1	Integrated Pest Management The City will adopt an Integrated Pest Management (IPM) policy and/or ordinance requiring use of IPM techniques in the agency's operations; and, minimization of pesticide use, particularly organophosphate and copper-based pesticides, by agency staff and contractors.			
PM 1.A	Develop a City IPM policy for inclusion in Pesticide Management Plan.	Done FY 02-03	Done FY 02-03.	ESD
PM 2	Pesticide Management Plan The City will develop and implement a Pesticide Management Plan with the goals of minimizing pesticide use and reducing the amount of pesticides in stormwater and landscape runoff to the maximum extent practicable.			
PM 2.A	Draft a City of San José Pesticide Management Plan.	Done FY 01-02	Done FY 01-02.	ESD
PM 2.B	Publish City Pesticide Management Plan in URMP.	Done FY 01-02	Done FY 01-02.	ESD
PM 3	IPM SOPs and BMPs The City will develop and implement standard operating procedures (SOPs) and best management practices (BMPs) for implementing the IPM Policy			
PM 3.A	Develop SOPs and BMPs for implementing IPM policy with provisions that will reduce water quality impacts from pesticide use.	Done FY 01-02	Done FY 01-02.	GS, DOT, ESD
PM 3.B	For each type of pest problem identified, seek model SOPs and BMPs from published literature.	Done FY 01-02	Done FY 01-02.	GS, DOT, ESD
PM 3.C	Incorporate or develop appropriate IPM measures into City SOPs and BMPs.	Done FY 02-03	Done FY 02-03.	GS, DOT, ESD
PM 3.D	Update City URMP to incorporate model Pest Management Performance Standard, including description of legal authority (IPM policy and contract language), work plan elements, BMPs, and SOPs needed for implementation.	Done FY 02-03	Done FY 02-03.	ESD
PM 3.E	Review and update City SOPs and BMPs as appropriate.	As Needed	The Pesticide Management Committee determined that no updates were required for FY 05-06.	GS, DOT, ESD, PRNS
PM 4	City Employee Training The City will ensure that employees receive pest management training by implementing the following: <ol style="list-style-type: none"> 1. Employees who apply pesticides for the City will obtain the appropriate training as required by County Agricultural Commissioner and State Department of Pesticide Regulation (DPR); 2. Employees within departments responsible for pesticide application will receive annual training on appropriate portions of City IPM Policy, SOPs, and BMPs, and latest IPM techniques; 3. Employees who are not authorized to apply pesticides will be annually trained not to use over-the-counter pesticides at workplace, consistent with IPM Policy. 4. Annual internal outreach will be conducted to employees, who do not necessarily purchase or apply pesticides during their course of work, on less toxic pest 			

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	control and to encourage employees to use IPM techniques away from work.			
PM 4.A	Ensure that employees who apply pesticides for the agency obtain appropriate training required by County Agricultural Commissioner and State Department of Pesticide Regulation.	Annually	Done FY 05-06. DOT, GS, and PRNS staff received safety training in January 2006 on the specific pesticides used during the course of their work. Training meets State DPR requirements. Additional training is done throughout the year for new employees prior to using pesticides or if new pesticides, which were not covered in the annual training, are introduced. Training is provided annually. See 13.D: <i>Municipal Employee Training Summary</i> for summary of attendance.	GS, DOT, PRNS
PM 4.B	Provide annual training on IPM Policy, SOPs, and BMPs, and latest IPM techniques to employees within departments responsible for pesticide application.	Annually	Done FY 05-06. Training for DOT, GS and PRNS staff was held in January 2006. Training topics included safety, City IPM Policy, SOPs, and BMPs, and IPM techniques. This message was also communicated in the SWPPP, PSR/SDO, and RPW municipal compliance trainings. See 13.D: <i>Municipal Employee Training Summary</i> for summary of attendance.	GS, DOT, ESD, PRNS
PM 4.C	Annually inform employees who are not authorized /trained to apply pesticides not to use over-the-counter pesticides at the workplace, consistent with IPM Policy.	Ongoing	Done FY 05-06 and ongoing. Notification that untrained staff members are not to utilize over-the-counter pesticides in the workplace was provided at the training and in a May 2006 staff notice.	GS, DOT, ESD, PRNS
PM 4.D	Monitoring Mechanism I.B.1. Document and evaluate effectiveness of staff training conducted each year in annual report.	Annually	Done FY 05-06. The training required for certificates and licenses is reviewed and approved for Continuing Education Units (CEUs) by the Department of Pesticide Regulation (DPR) – this ensures it is valuable and effective for applicators. In FY 05-06, an evaluation/survey for class participants was used for IPM training conducted in January 2006. The results were compiled and will be used to implement improvements for the next training. See 8.B: <i>PM Program Evaluation</i> for a summary of evaluation results.	GS, DOT, ESD, PRNS
PM 4.D.1	Update class evaluation/survey for IPM training classes conducted by City staff.	As Needed	Done FY 05-06. The appropriate updates were made to the evaluation form to reflect content of training.	GS, DOT, ESD, PRNS
PM 4.E	Public Education and Outreach Task II.A.14 Conduct internal outreach on less toxic pest control to employees who do not necessarily purchase or apply pesticides during the course of their work (to encourage employees to use IPM techniques away from work).	Annually	Done FY 05-06. The January issue of the <i>ESD Connections</i> newsletter featured an article on IPM.	ESD
PM 5	Contractor Pesticide Management Requirements The City will develop and implement a process to ensure that contractors employed to conduct pest control and pesticide application on municipal property engage in			

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	pest control methods consistent with City IPM Policy. Specifically, the City will require contractors to: <ul style="list-style-type: none"> ▪ follow City IPM policy, BMPs, and SOPs; ▪ provide evidence of current IPM training, when feasible ▪ provide documentation of pesticide use on City property to the City in a timely manner. 			
PM 5.A	Ensure that contractors employed to conduct pest control/pesticide application on municipal property engage in methods consistent with City IPM policy.	Ongoing	Done FY 05-06 and ongoing. No new contracts were issued for structural pest control in FY 05-06. New Special Districts landscape contractors were provided with copies of the City IPM policy, SOPs, and BMPs. Meetings were held with new landscape contractors to ensure that they read and understood the content of the documents. Compliance is monitored by inspection and monthly reports.	GS, DOT, ESD, PRNS, PW, RDA
PM 5.B	Review and update a list of all contractors employed by the City who perform pesticide application work.	Annually	Done FY 05-06. The contractor list was updated and new information fields were added to record information regarding contract term.	GS, DOT, ESD, PRNS, PW, RDA
PM 5.C	Implement a procedure to provide to each contractor a copy of the City's IPM policy.	Done FY 02-03	Done FY 02-03.	GS, DOT, ESD, PRNS, PW
PM 5.D	City will supply copies of pest specific BMPs and SOPs to contractors. Contractors will self certify their compliance with the City SOPs and BMPs.	Ongoing	Done FY 05-06 and ongoing. DOT Special Districts held a meeting with all new contractors to review IPM policy and relevant SOPs and BMPs. Contractors signed a statement certifying that they have read, understood, and agree to follow City SOPs. General Services likewise held meetings with both structural pest control service providers.	GS, DOT, ESD
PM 5.E	Require through contract specifications that PCOs contracted for municipal applications use pest control methods consistent with City's IPM Policy. Specifically, require contractors to: a) follow City IPM policy, BMPs and SOPs; b) provide evidence of current IPM training, when feasible; and c) provide documentation of pesticide use on City property to the City in a timely manner.	Ongoing	Done FY 05-06 and ongoing. The standard contract language was approved and distributed to contract managers for inclusion in future contracts. DOT Special Districts solicitation released included requirements for compliance with IPM policy, BMPs and SOPs, and reporting.	GS
PM 5.E.1	City will develop standard content for PCO contracts.	Done FY 04-05	Done 04-05.	GS, DOT, ESD, PRNS
PM 5.E.2	City will implement standard content for PCO contracts.	FY 05-06	Done FY 05-06 and ongoing. DOT Special Districts solicitation released included requirements for compliance with IPM policy, BMPs and SOPs, and reporting.	GS, DOT, ESD, PRNS
PM 5.F	Invite contractors to participate in City training sessions on pesticide management.	FY 05-06 Ongoing	Done FY 05-06 and ongoing. DOT Special Districts contractors were invited to participate in the City training by way of an announcement included in the RFQ. The City's structural pest control service provider was invited and participated in the training, offering a presentation on new pesticide regulations of relevance to applicators.	GS, DOT, PRNS

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PM 5.G	Monitoring Mechanism III.A.1. Document number of PCOs receiving presentations and/or training on pesticide use by PCOs on municipal property.	Annually	Done FY 05-06. In FY 05-06, the City's primary PCO for facilities attended the City's Annual Training. The PCO provides training to staff on a regular basis. An outside trainer provided training twice this year and monthly internal staff trainings were held.	GS, ESD
PM 6	Pesticide Management Outreach The City will identify in annual work plan outreach activities it will conduct consistent with Program Pesticide Management Plan. Work plan elements will address outreach to residential and commercial pesticide users, pesticide retailers, and special districts. Information will be provided on less-toxic pest control practices, proper disposal of pesticides, and the City's own IPM practices, as applicable.			
PM 6.A	Increase awareness of target audiences regarding proper pesticide use, disposal methods, water quality impacts, and less toxic pest management messages. Target audiences include commercial and residential pesticide users, pesticide retailers, municipal employees, and special districts.	Ongoing	Done FY 05-06 and ongoing. The City participates in the Our Water Our World campaign, and the Program's Watershed Watch campaign. Both campaigns deliver IPM messages. In addition, the City published an article in the BOMA Byline newsletter with IPM information for businesses. See 14.D: <i>PIP Activities</i> for more details.	ESD
PM 6.B	Prepare IPM stories and press releases to local media.	As Needed	Done FY 05-06 and ongoing. OWOW ads were placed in multiple publications. See 14.D: <i>PIP Activities</i> for details.	ESD
PM 6.C	In conjunction with Program, City will provide information on less toxic pest control (e.g., IPM techniques, municipal IPM policies, model contract language, training opportunities, etc.) to neighboring special districts (e.g., VTA, sanitary and utility districts, open space districts, vector control districts, and school districts) as appropriate.	As Needed	Done through Program. No activity in FY 05-06.	ESD
PM 6.D	Create and provide fact sheets and materials to pesticide retailers to facilitate point-of-purchase outreach to support IPM Store Partnership Program.	Ongoing	Done FY 05-06 through Program. See 14.D: <i>PIP Activities</i> for details.	ESD
PM 6.E	Monitoring Mechanism: Document or estimate numbers of residents reached by outreach efforts, including events, web promotion, municipal employee outreach, and media advertising. Monitor responses to outreach efforts by documenting calls to the Program's general and watershed campaign hotlines.	Annually	Done FY 05-06. See 14.D: <i>PIP Activities</i> for evaluation of outreach activities.	ESD
PM 6.F	Monitoring Mechanism IV.A.1. Document outreach efforts targeting businesses, recommended in the work plan, to be developed by the Program. Implement evaluation component of the work plan.	Annually	Done FY 05-06. See 14.D: <i>PIP Activities</i> and Program Annual Report for details.	ESD
PM 7	HHW Pesticide Disposal The City will coordinate with household hazardous waste (HHW) collection agencies to support, enhance, and help publicize programs for proper pesticide disposal.			
PM 7.A	Work with HHW collection agencies to support, enhance, and publicize programs for pesticide disposal.	Ongoing	Done FY 05-06. This work is done at the Program level. See Program Annual Report for details. The City did a	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PM 7.B	Ensure that adequate pesticide disposal services exist for residents and conditionally exempt small quantity commercial generators.	Annually	Done FY 05-06. Adequate pesticide disposal services were available during FY 05-06. No customers were turned away and appointments were scheduled in a timely manner.	ESD
PM 7.C	Provide hazardous waste disposal information to residents, through distribution of materials (e.g., utility bill insert, city newsletter, community events, etc.) or advertising in local media.	Ongoing	Done FY 05-06 and ongoing. Hazardous waste disposal information is provided on the City's website along with a link to the Santa Clara County HHW Program's website. The City's Integrated Waste Management (IWM) outreach includes the Santa Clara County HHW Program's hotline.	ESD
PM 7.D	Monitoring Mechanism V.A.1. Document that HHW collection programs adequately serve residents and businesses and that exchange programs do not exchange organophosphate or banned pesticides.	Annually	Done FY 05-06. The Santa Clara County HHW Program served approximately 3% of the City's households in FY 05-06. There was no wait in order to schedule an appointment and no customers were turned away. The HHW Program does not exchange organophosphate or banned pesticides.	ESD
PM 8	City Pesticide Use Tracking The City will develop and implement a process for tracking pesticide use on municipally-owned property.			
PM 8.A	Develop and implement a pilot pesticide tracking process for Diazinon and Chlorpyrifos products.	Done FY 01-02	Done FY 01-02.	GS, DOT, ESD
PM 8.B	Track pesticide use on municipally owned property. Include reporting and justification for use of OP pesticides and BMPs employed during OP pesticide use.	Ongoing	Done FY 05-06 and ongoing. Neither the City nor its contractors purchased, used, or wrote recommendations for the use of OP pesticides on municipal property. Contracts for structural pest control include requirements for reporting and justification of use of OP pesticides and BMPs employed during OP pesticide use in the contract specifications.	GS, DOT, ESD
PM 8.B.1	Evaluate feasibility of implementing electronic data management system for pesticide use.	Done FY 04-05	Done FY 04-05.	GS, DOT, ESD
PM 8.B.2	Implement electronic data management system for tracking pesticide use on City property.	Done FY 04-05 and Ongoing	Done FY 05-06 and ongoing. A database was used to track pesticide use on municipal property by City staff and contractors.	GS, DOT, ESD
PM 8.C	Monitoring Mechanism I.A.1. Document completion of tasks in annual reports. Use pesticide tracking process to document pesticide use.	Annually	Done FY 05-06. Monthly pesticide use reports submitted by contractors were compiled and reviewed. See 8.B: <i>PM Program Evaluation</i> .	GS, DOT, ESD, PRNS, PW, RDA
PM 9	City Pesticide Inventory Search The City will conduct periodic Citywide search of its chemical inventory for pesticides no longer legal for application per EPA, State, and/or local requirements. These pesticides, if found, will be properly disposed pursuant to appropriate waste disposal regulations.			
PM 9.A	Conduct Citywide search of chemical storage areas for pesticides no longer legal for application per EPA, State, and/or local requirements. Properly dispose of any such pesticides pursuant to appropriate waste	Annually	Done FY 05-06. PRNS and DOT conducted search in June 2006. No expired pesticides were found.	GS, DOT, PRNS

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	disposal regulations.			
PM 10	Pesticide Management Plan / IPM Policy Review As part of annual reporting process, the City will review and evaluate, with input from municipal staff, the effectiveness of its Pest Management Plan and IPM Policy in achieving the goals of the Plan to the maximum extent practicable.			
PM 10.A	Review and continuously improve goals, actions, and monitoring mechanisms of the work plan considering results of self-evaluations, comments from Water Board staff and other interested parties, and results of local performance review meetings, if any.	Annually	Done FY 05-06. See 8.B: <i>PM Program Evaluation</i> .	GS, DOT, ESD, PRNS, PW, RDA
PM 10.B	Monitoring Mechanism IX.A.1. Complete revised work plan that incorporates continuous improvement items, and report on completion of work plan tasks.	Annually	Done FY 05-06 (between 06-07 Work Plan and this Annual Report).	GS, DOT, ESD, PRNS, PW, RDA
PM 10.C	Monitoring Mechanism VII.A.1. Summarize types of pesticide reduction measures required (such as by conditions of approval) for new development and significant redevelopment projects, and percentage of new development/ significant redevelopment projects for which pesticide reduction measures were required. (Draft Permit Provision C.3.n.)	Annually	Done FY 05-06. See NRD 5.G in <i>Work Plan Self Evaluation Matrix</i> .	PW, RDA, ESD

8.B PM Program Evaluation

Integrated Pest Management

The City continues to apply current and new less toxic and non-chemical Integrated Pest Management (IPM) techniques to resolve municipal pest problems. FY 05-06 highlights include:

- PRNS staff continues to use mulch to help alleviate the need for pre-emergent herbicides and reduce water use.
- PRNS staff released wasps in select parks to control oak and tussock moths. The parks at which wasps were released did not experience a problem with the tussock moth, while in other parks serious tussock moth infestations occurred this year.
- DOT Special Districts initiated a pilot program to control gophers using traps rather than rodenticides. Initial results are positive, indicating that trapping is effectively reducing the gopher population. The pilot program will be evaluated for overall efficacy and cost effectiveness in FY 06-07.
- The City Arborist has adopted the practice of offering IPM solutions to the thousands of calls received each year regarding maintenance of street trees in front of privately owned property.
- The City Arborist is encouraging the use of a disease resistant hybrid palm tree in new Public Works projects as a substitute for the California Fan Palm, which is susceptible to pink rot and requires regular fungicide treatment.
- The City contracts with a PCO (Pest Control Operator) that takes an IPM approach when responding to calls for service for facilities. Inspection and monitoring are part of the service that takes place before pesticide use occurs. The PCO uses traps and baits as much as possible when pest control is required. Their practice is to contact City staff on affected sites and educate them on IPM practices and to discuss things that they can do to help prevent future pest infestation.

- In FY 06-07, the City will initiate an additional pilot program to further reduce reliance on chemical controls by using predators to control rodent populations in certain parklands. The program involves constructing owl boxes and placing them in the infested area to entice owls to establish habitat and prey upon the abundance of rodents.
- In FY 06-07, the City will initiate an additional pilot program to further reduce reliance on chemical controls by using a native grass seed mix to control star thistle weed along trails. Herbicides are typically used in the area proposed for the trail project. Funds have been identified to support both of these pilot programs, and possibly additional projects.

Green Business Certification

In FY 05-06, the City began the process of Green Business Certification for selected neighborhood parks. The Green Business Certification includes a pollution prevention element that includes Integrated Pest Management. Applicants must demonstrate practices such as appropriate plant selection and placement, landscaping to minimize waste, reduced pesticide and water use, etc. PRNS anticipates that the certification process will be completed in FY 06-07.

Awards

For the attention given to environmental stewardship on many levels, including the practice of IPM, the Los Lagos Municipal Golf Course and its Superintendent Alan Andreasen earned two awards this fiscal year. The Los Lagos Municipal Golf Course and Alan Andreasen were honored as the Golf Course Superintendents Association of America (GCSAA)/Golf Digest's National Public and Overall winners of the 2005 GCSAA/Golf Digest Environmental Leaders in Golf Awards. The second award bestowed was the 2005 Merit Award for Excellence in Turfgrass Management for Public Courses by the Golf Course Superintendents Association of Northern California.

IPM Conference

During FY 05-06, the City also accepted co-host responsibilities for the 3rd Annual Regional IPM Conference scheduled to take place in November 2006. Staff members from ESD, PRNS, GS, and DOT serve as members of the Planning and Organizing Committee, and as the Conference chair. The Planning and Organizing Committee began planning activities in March 2005. The IPM Conference will serve as a tool for educating staff and area contractors about relevant IPM issues and techniques.

Data Tracking

A database was developed and implemented in FY 04-05 to track pesticide use on municipal property by City staff and contractors and continues to be used. Comparative data for City applications and Golf Courses only are included in this report due to a few data collection challenges experienced in FY 05-06. In FY 05-06, reports from Special Districts contractors included data found to be erroneous. The problem was corrected and accurate data covering applications on municipal property from September 2005 through June 2006 was submitted and entered into the database. In addition, due to an unanticipated transition of primary PCO responsibilities, only incomplete data for pesticide applications at City Facilities is available. The data loss resulted because the City's primary PCO discontinued services with the City and did not deliver reports of pesticide use for the first three months of the fiscal year, and the new primary PCO required time to establish a data collection system adequate for the new volume of work. The City will continue to work with its contractors in FY 06-07 to resolve outstanding reporting and data issues, so that accurate comparative data will be available and analyzed in the future.

Pesticide Use

This section highlights changes in usage of certain pesticides applied by City staff and Golf Course management staff. The discussion focuses on the products used in largest quantities for City applications and Golf courses. City applications represent pesticide applications performed by Parks Maintenance staff and Department of Transportation crews. Highlights include:

- City applications of Surflan (oryzalin) increased sharply this year following a decrease in FY 04-05. FY 04-05's low numbers were mostly due to a temporary stoppage of Surflan manufacturing, and the FY 05-06 increase is partly due to resumed product availability. Surflan was also used in FY 05-06 as the replacement for Pendulum (pendimethalin) for certain weeds that Pendulum did not control. Additionally, the increase in Surflan usage is attributed to the increase in acreage managed during FY 05-06.
- City application of Karmex (diuron) decreased somewhat in FY 05-06 in response to concerns about its impact on water quality.
- Overall, applications of glyphosate (isopropylamine and monoammonium salt combined) decreased this year.

- City staff shifted to a greater dependence upon the Roundup Quickpro formulation in FY 05-06, which contains diquat dibromide, because it produces visible results more expediently than the Roundup Pro Dry formulation.
- Drive (quinclorac) was tested in City applications this year for the first time and was found to yield better results in lesser amounts than other products, and its active ingredient is deemed to have less impact on the environment.
- City applications of Gallery (isoxaben) increased this year. Gallery has been found to effectively break the germination cycle of the groundsel weed and therefore reduces the need for DOT crews to perform repeat treatments of the same area.

In FY 05-06, some notable changes occurred in pesticide applications at the City's three golf courses: Los Lagos, Rancho del Pueblo, and San Jose Municipal.

- Total golf course applications of Daconil Weather Stick (chlorothalonil) and Pentathlon (maneb), fungicides used to suppress Dollar Spot on the greens, decreased in FY 05-06. Los Lagos management staff used three curative applications of a combination of these products in FY 04-05 within the guidelines of the strict chemical application management plan of its contract with the City. In FY 05-06 Los Lagos did not see Dollar Spot disease pressure so no applications of the mixture were necessary, thus the reduction in use.
- Overall use of Fore (mancozeb) declined in FY 05-06, but applications were made near the end of the season this year at San Jose Municipal Golf Course to control rapid blight fungus.
- In FY 04-05 at Los Lagos, one curative application of PCNB, a fungicide used to suppress Microdochium patch (pink snow mold), was applied to select greens. The golf course did not exceed the established disease thresholds in FY 05-06, so no applications were necessary. The overall increased PCNB use at golf courses results from the need to control pink snow mold at Rancho del Pueblo and San Jose Municipal Golf Course in FY 05-06.
- Overall usage of glyphosate products increased slightly in FY 05-06, however a shift in product usage occurred. Round Up Pro Dry Formula (glyphosate, monoammonium salt) is a non-selective herbicide used to control weeds and weed grasses on various areas on the course. Usage at Los Lagos and Rancho del Pueblo courses decreased between FY 04-05 and FY 05-06. San Jose Municipal Golf Course increased use of the Round Up Pro Dry Formula and decreased its use of the liquid Round Up.
- Pentahydrate (copper sulfate) or copper sulfate crystals is used to treat irrigation and aesthetic lakes for algae. In FY 05-06, Los Lagos Golf Course began using microbial biological controls in lakes. This has led to the elimination of this product, resulting in a drop in usage from FY 04-05. Occasional use of a copper-based algaecide at both Los Lagos and Rancho occur when algae become uncontrollable with the biological controls. San José Municipal used less copper sulfate because of prevailing weather conditions that delayed the algae burst until late in the season.

Training

In January 2006, City staff held its annual training for staff responsible for applying pesticides. Participants were given an evaluation form to complete. Of the 115 staff that participated in the training, 49 evaluations were completed and returned. Results of the completed evaluations are indicated below and will serve as a guide for improving the training next year.

- 88% thought that the training subjects taught are appropriate to their work;
- 81% thought the training adequately described the City's IPM policy;
- 87% thought that the BMPs/SOPs described match their work practices;
- 90% thought that the training adequately described the relationship of BMPs/SOPs to compliance with the City's Stormwater NPDES permit; and
- 85% thought that the training adequately explained how they, City staff, could help the City maintain compliance with the Stormwater NPDES permit.

8.C PM Response to Water Board Comments

No comments received from Water Board on this Program Element.

8.D PM Summary Tables / Additional Information

Active Ingredient Use Comparison: FY 04-05 & FY 05-06

ACTIVE INGREDIENT	FY 03-04 (LBS)	FY 04-05 (LBS)	FY 05-06 (LBS)	DIFFERENCE FY 04-05 TO FY 05-06	%CHANGE FY 04-05 TO FY 05-06*
CITY APPLICATIONS					
2,4-D, 2-Ethylhexyl Ester	13.85	0.00	74.24	74.24	100%
Aluminum Phosphide	0.10	0.00	0.00	0.00	0%
Carfentrazone-Ethyl	0.71	0.00	3.82	3.82	100%
Cyfluthrin	0.00	0.0002	0.0000	0.00	-100%
Dicamba	0.88	0.00	4.74	4.74	100%
Diquat Dibromide	6.60	0.40	3.79	3.39	848%
Diuron	424.00	874.19	408.00	-466.19	-53%
Ethephon	0.00	0.07	0.00	-0.07	-100%
Fluazifop-P-Butyl	0.00	0.12	0.00	-0.12	-100%
Glyphosate, Isopropylamine Salt	1857.16	1474.34	1225.22	-249.12	-17%
Glyphosate, Monoammonium Salt	0.00	22.82	130.30	107.48	471%
Halosulfuron	0.02	0.04	0.06	0.02	50%
Imidacloprid	0.00	0.23	0.00	-0.23	-100%
Isoxaben	73.31	178.59	275.87	97.28	54%
Mecoprop-P	3.51	0.00	18.82	18.82	100%
Metaldehyde	0.00	0.20	4.00	3.80	1900%
MSMA	0.95	0.00	0.00	0.00	0%
Nonanoic Acid	0.00	24.76	11.54	-13.22	-53%
Nonanoic Acid, Other Related	0.00	1.30	0.61	-0.69	-53%
Nonylphenoxy polyethoxy ethanols, isopropanol and fatty acids	29.81	0.00	0.00	0.00	0%
Oryzalin	112.95	86.29	1244.61	1158.32	1342%
Oxadiazon	82.18	59.14	97.94	38.80	66%
Pelargonic Acid	41.56	0.00	0.00	0.00	0%
Pendimethalin	1603.68	818.38	651.42	-166.96	-20%
Quinclorac	0.00	0.00	3.75	3.75	100%
Related Fatty Acids (C-6, C-12)	2.19	0.00	0.00	0.00	0%
Sethoxydim	3.35	0.00	0.00	0.00	0%
Triclopyr, Butoxyethyl Ester	20.57	2.13	0.00	-2.13	0%
Trifluralin	18.00	0.00	40.00	40.00	100%
GOLF COURSES					
2,4-D	0.00	21.88	0.00	-21.88	-100%
2,4-D, Dimethylamine Salt	0.39	0.00	1.55	1.55	100%

*City of San José Urban Runoff Management Plan
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ACTIVE INGREDIENT	FY 03-04 (LBS)	FY 04-05 (LBS)	FY 05-06 (LBS)	DIFFERENCE FY 04-05 TO FY 05-06	%CHANGE FY 04-05 TO FY 05-06*
3,7-Dichloro-8-quinolinecarboxylic	0.70	0.00	0.00	0.00	0%
Acid Blue 9, Diammonium Salt	4.34	8.74	0.00	-8.74	-100%
Acid Yellow 23	0.44	0.00	0.00	0.00	0%
Azoxystrobin	3.13	1.63	1.50	-0.13	-8%
Chlorothalonil	0.00	462.53	60.07	-402.46	-87%
Clpyralid, Monoethanolamine Salt	0.00	0.16	0.00	-0.16	-100%
Clpyralid,Triethylamine Salt	0.00	18.00	22.46	4.46	25%
Copper	65.76	39.41	47.89	8.48	22%
Copper Carbonate, Basic	0.00	4.20	0.00	-4.20	-100%
Copper Ethanolamine Complexes, Mixed	0.00	20.89	2.71	-18.18	-87%
Copper Sulfate (Pentahydrate)	0.00	629.24	247.50	-381.74	-61%
Copper Sulfate (Basic)	0.00	0.00	0.50	0.50	100%
Deltamethrin	0.00	0.28	0.30	0.02	7%
Dicamba	0.00	2.06	0.14	-1.92	-93%
Dicamba, Dimethylamine Salt	0.04	0.00	0.00	0.00	0%
Diquat Dibromide	0.23	0.38	0.21	-0.17	-45%
Dithiopyr	3.61	32.30	26.00	-6.30	-20%
Floridone	1.00	0.00	0.00	0.00	0%
Fluazifop-P-Butyl	0.00	0.13	0.00	-0.13	-100%
Flutolanil	51.10	8.40	7.00	-1.40	-17%
Fosetyl-AL	0.00	16.80	17.60	0.80	5%
Glyphosate, Isopropylamine Salt	38.50	28.68	9.39	-19.29	-67%
Glyphosate, Monoammonium Salt	0.00	20.37	44.88	24.51	120%
Imidacloprid	0.00	0.90	0.00	-0.90	-100%
Iprodione	13.08	0.00	10.01	10.01	100%
Mancozeb	0.00	261.60	97.60	-164.00	-63%
Maneb	0.00	80.09	0.00	-80.09	-100%
MCPP	0.00	9.79	0.00	-9.79	-100%
MCPP, Dimethylamine Salt	0.10	0.00	0.41	0.41	100%
Oryzalin	0.00	2.35	0.00	-2.35	-100%
PCNB	54.00	110.15	160.89	50.74	46%
Pendimethalin	11.20	0.00	0.00	0.00	0%
Polyoxorim D Zinc Salt	0.69	0.00	0.00	0.00	0%
Propiconazole	270.57	5.21	2.60	-2.61	-50%
Pyraclostrobin	0.00	3.96	20.80	16.84	425%
Quinclorac	0.00	6.28	2.25	-4.03	-64%
Tartrazine	0.00	0.88	0.00	-0.88	-100%

*City of San José Urban Runoff Management Plan
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ACTIVE INGREDIENT	FY 03-04 (LBS)	FY 04-05 (LBS)	FY 05-06 (LBS)	DIFFERENCE FY 04-05 TO FY 05-06	%CHANGE FY 04-05 TO FY 05-06*
Thiophanate-Methyl	29.27	23.45	0.00	-23.45	-100%
Triadimefon	0.00	0.00	0.71	0.71	100%
Triclopyr, Triethylamine Salt	0.00	50.00	62.40	12.40	25%
Trifloxystrobin	2.00	1.50	0.00	-1.50	-100%
Trimec	31.50	0.00	0.00	0.00	0%
Zinc Ion and Manganese Bisdithiocarbamate	160.80	0.00	0.00	0.00	0%

* % Change is left blank for active ingredients used in FY 05-06, but not in FY 04-05.

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9. M: Mercury

9.A M Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
M 1	Municipal Use of Mercury –Containing Products The City will eliminate all unnecessary municipal use of mercury-containing products and establish proper disposal methods for products that cannot be eliminated.			
M 1.A	Implement SCVURPPP guidelines for mercury-containing products reduction and management. These guidelines include a schedule for the timely phase-out of mercury-containing products identified for virtual elimination as well as reporting requirements, possibly to track recycling, replacement, and reduction in use of mercury-containing products.	Ongoing	Done FY 05-06 and Ongoing. See 9.D: <i>Mercury-Containing Product Management Practices</i> for a listing of the City's management strategies. In FY 05-06, the City modified the Program's "Got Bulbs?" poster to include City-specific practices, and distributed them to all City facilities that have their fluorescent bulbs maintained by the City's General Services Department. The poster reminds staff not to dispose of them in the trash, and how to handle, store, and manage spent bulbs.	ESD, GS
M 1.A.1	Collect and dispose of mercury-containing lamps generated in City-owned facilities	Ongoing	Done FY 05-06 and Ongoing. The City purchases, almost exclusively, low mercury fluorescent lamps. The City recycled more than 9,100 feet of mercury-containing lamps in FY 05-06 through its Lamp Recycling Program.	GS, ESD
M 1.A.2	Identify other mercury-containing products for virtual elimination, phase-out and/or proper disposal.	Annually, As Needed	Done FY 05-06. The City phased out the use of its lamp crusher for the disposal of low-pressure sodium lamps. These lamps do not contain mercury, but they are a Universal Waste, so they are recycled accordingly. The elimination of the crusher removes the potential for mercury-containing lamps to be accidentally crushed and disposed of improperly. See 9.D: <i>Mercury Containing Product Management Practices</i> for a listing of actions the City is taking.	ESD, GS
M 1.B	Monitoring Mechanism I. Document completion of tasks in annual reports. Use mercury-containing product reporting guidelines.	Annually	Done FY 05-06. See 9.D: <i>Mercury Containing Product Management Practices</i> for a summary of management options identified and/or implemented to date.	ESD
M 2	Household Hazardous Waste Collection The City will provide mercury-containing product disposal services through household hazardous waste (HHW) collection programs for residents and small businesses, and encourage use of these programs.			
M 2.A	Provide mercury-containing products disposal services for residents and small businesses.	Ongoing	Done FY 05-06 and Ongoing. The City supports the County of Santa Clara Department of Environmental Health's (DEH) Household and Small Business Hazardous Waste program, and the in-store take-back program for Universal Wastes. County DEH hosts weekly household and small business	ESD-IWM

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			hazardous waste collection events. This service is provided to residents and small businesses in the county to collect and properly dispose of hazardous wastes, including mercury-containing products. In FY 05-06 this program provided service for 24,985 residents and 435 small businesses including local governments, Goodwill Industries and the Salvation Army. In FY 05-06, the County HHW Program provided service for 9,785 households in San José, roughly 3% of the City's total households. County-wide, the program collected 51,050 pounds of household batteries (more than double last year's total), and 425 pounds of elemental mercury (up from 155 pounds last FY). See County Annual Report for details.	
M 2.B	Work with Program and HHW collection agencies to develop and help publicize fluorescent light recycling program.	Ongoing	Done FY 05-06 and ongoing. The City supports the County of Santa Clara Department of Environmental Health's (DEH) Household and Small Business Hazardous Waste Program. In FY 05-06 the County collected 277,000 feet (67,943 pounds) of lamps. This is a marked increase from last FY's 166,000 feet (41,597 pounds) total. The City and the Program also worked with the County to assist with the implementation of its Universal Waste Grant. The Program developed and implemented the "Got Bulbs?" media campaign designed to encourage residents to take their spent fluorescent lamps to any of 18 drop-off locations funded by the Universal Waste grant. In FY 05-06, the five stores in San José collected an estimated total of 61,000 feet of lamps, up from 17,591 feet in FY 04-05. Also, 5,065 pounds of batteries were collected at the four battery collection stores in San José.	ESD, Program
M 3	Monitoring and Science The City will participate in coordinated monitoring efforts to support mercury TMDL development and implementation, including assessment of air pollution sources of mercury and concentrations of mercury in sediment.			
M 3.A	Continue financial support of the Regional Monitoring Program (RMP), including the Mercury Deposition Network Pilot Study. Continue to actively participate in the RMP steering committee and technical review committee.	Ongoing	Done FY 05-06 and ongoing. The City continues to support the RMP financially and through in-kind services operating the Mercury Deposition Network station #CA76. (see M 3.B)	ESD
M 3.B	The City of San José will continue to provide in-kind services for the maintenance of the Mercury Deposition Network site near San José.	12/31/2005	Done and ongoing. The City has operated and maintained the National Mercury Deposition Network site #CA72 since January 2000. The City collects samples, records data, and sends both to the national MDN contract laboratory for analysis. The City also sends records to SFEI for	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			inclusion in SF Bay RMP analyses. Weekly sample collection and data reporting is scheduled to continue at this time. Information on the National MDN program (including pictures of collection apparatus) is found at: http://nadp.sws.uiuc.edu/mdn/ . The City chose to continue this activity beyond the December 2005 compliance date, and is evaluating whether to continue into FY 06-07 and beyond.	
M 4	Regional, State, and Federal Coordination Actively participate in regional, state, and federal coordination efforts to achieve a reduction in the amount of mercury in urban runoff and air emissions.			
M 4.A	Collaborate in technical studies to support TMDL development and implementation including the Santa Clara Basin WMI Guadalupe River Mercury TMDL Workgroup, RMP, and the CEP.	Ongoing	Done FY 05-06 and ongoing. The City participates in and supports programs to reduce mercury in stormwater runoff and air emissions, including the San Francisco Bay Regional Monitoring Program, National Mercury Deposition Network, AB 982 TMDL Public Advisory Group, WMI Guadalupe River Mercury TMDL Workgroup, and the Clean Estuary Partnership.	ESD
M 4.B	Support and participate in WMI Watershed Action Plan implementation.	Ongoing	Done FY 05-06 and ongoing. The Watershed Management Initiative (WMI) continues to work on implementing the Watershed Action Plan, through the actions of its subgroups and cooperative efforts with other collaborative groups, such as the Water Resources Protection Collaborative, the Habitat Conservation Plan, and the Fisheries and Aquatic Habitat Conservation Effort.	ESD
M 5	Public Education and Outreach Increase awareness of proper disposal of mercury-containing products and available non-mercury containing alternatives. Target audiences include residential, commercial, and industrial users and municipal employees.			
M 5.A	Coordinate with Program and HHW collection agencies to develop and implement a mercury-containing product outreach program to educate selected target audience and encourage proper use and disposal of mercury-containing products.	Ongoing	Done FY 05-06 and ongoing. The Program posted mercury-related information for residents on the watershedwatch.net website. See Program Annual Report for details. Mercury and Household Hazardous Waste messages were also included at the Home Show event. See 14.D: <i>PIP Activities</i> . City staff attended meetings of the Regional Universal Waste workgroup. This informal group of Stormwater, Solid and Hazardous Waste agencies discussed strategies for handling universal waste collection, funding, outreach and education.	ESD, Program, County HHW
M 5.B	Coordinate with municipal inspectors to integrate mercury outreach to industrial businesses into their existing routine pretreatment, source control, and/or	Ongoing	Done FY 05-06 and ongoing. Information on the proper handling and disposal of mercury-containing products was presented to industrial businesses attending the Industrial	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	hazardous materials inspection processes.		Users Academy. (See 14.D: <i>PIP Activities</i>) Copies of the County's Universal Waste brochure for Businesses was available to Inspectors for distribution as needed. The City originally intended to produce the DTSC fact sheet on Universal Waste, but the County's piece was more than sufficient.	
M 5.C	Attend community events and distribute outreach materials. (See Attachment A: Outreach Activities Summary)	Ongoing	Done FY 05-06 and Ongoing. Messages regarding proper disposal of fluorescent tubes is included whenever the Household Hazardous Waste program is promoted, e.g. the Home Show. See 14.D: <i>PIP Activities</i> for details.	ESD
M 5.D	Monitoring Mechanism V.B. document and evaluate each outreach activity, including the target audience and number of residents and/or businesses reached.	Annually	See Program report and 14.D: <i>PIP Activities</i> for evaluation of outreach activities.	ESD, Program

9.B M Program Evaluation

Mercury-containing lamps continue to be the focus of City efforts to reduce the impact of mercury from City operations. The City purchases and encourages the use of low mercury fluorescent lamps in City facilities. The City recycled more than 9,100 feet of mercury-containing lamps in FY 05-06 through its recycling programs. During FY 05-06, many City-owned and City-leased facilities were decommissioned and the City switched to a different color output lamp, so the recycling numbers for this year are lower. The City took the Program-developed "Got Bulbs?" poster and modified it for internal use to reinforce the City's SOP of recycling all fluorescent lamps. The posters were also posted in all City-maintained facilities to remind staff to recycle their lamps. Questions regarding mercury content and alternative products are part of the City's Request for Quotation Forms.

February 2006 marked the start of the Universal Waste Rules which require common household products like batteries, thermometers, fluorescent lamps and cathode ray tubes that contain hazardous materials, such as mercury and other heavy metals, to be disposed of at approved locations like the County's Household Hazardous Waste site. These products are no longer accepted in curbside trash or recycling receptacles. The City conducted various outreach efforts at both the City and Program levels to alert residents of this change including postings on the City's website and articles in the City's Curbside Courier newsletter.

FY 05-06 showed a remarkable increase in the number of fluorescent lamps turned in to the five drop-off stores for recycling, with the five stores collecting an estimated 61,000 feet of lamps, up from 17,591 feet in FY 04-05. This more than three-fold increase in collection can be attributed, in part, to the consistent outreach and education done by the City, the Program, and the County Household Hazardous Waste program. The start of the new Universal Waste Rule is also a major contributor to the marked increase. The City will continue to support the Program's Watershed Watch campaign and its fluorescent lamp recycling messages in FY 06-07.

Along with lamps, the City worked to expand battery recycling in City facilities. Prior to the February 2006 start date of the Universal Waste Rules regarding disposal of batteries, the City informed all staff that batteries (and lamps) cannot be thrown away in the garbage. Receptacles for battery recycling were distributed to City facilities, and AERC was contracted to collect and recycle the City's alkali and rechargeable batteries. In April 2006, the City began a comprehensive battery recycling program to collect and recycle all City-generated alkali and rechargeable batteries. Data on this program will continue to be collected in FY 06-07.

The City has operated and maintained a National Mercury Deposition Network (MDN) site since January 2000, collecting samples, recording data, and sending both to the national MDN laboratory. The City continues its commitment to work with the Water Board and stakeholders toward TMDLs that are technically defensible and feasible for implementation. City staff participates in mercury TMDL efforts by providing comments on the Bay-wide Mercury TMDL Report and Basin Plan Amendment, and serves as the WMI Watershed Assessment and Monitoring Subgroup representative to the Guadalupe Mercury TMDL project. The City expects to actively participate in the

development and implementation of both TMDLs in FY 06-07. In addition, the City supports SCVURPPP, CEP, RMP, BASMAA and BACWA as these agencies conduct technical studies to address uncertainties regarding mercury in the watershed.

9.C M Response to Water Board Comments

No comments received from Water Board on this Program Element.

9.D M Summary Tables / Additional Information

Mercury-Containing Product Management Practices

MERCURY-CONTAINING PRODUCTS	NOT FOUND	MO #1: REPLACE WITH ALTERNATIVE	MO #2: ALTERNATIVE UPON FAILURE	MO #3: REDUCE USE	MO #4: RECYCLE	MO #5: HAZARDOUS WASTE	COMMENTS
LAMPS:							
Compact Source Lamp					I		Recycled through City's Lamp Recycling Program
Spectral Lamp	NF						
Fluorescent Lamp (Tubes)		I			I		Replacing existing lamps with low Hg lamps upon failure. All lamps are recycled through City's Lamp Recycling Program.
Metal halide Lamp					I		Recycled through City's Lamp Recycling Program
High pressure sodium Lamp					I		Recycled through City's Lamp Recycling Program
Mercury Vapor Lamps					I		Recycled through City's Lamp Recycling Program
Cold Cathode Lamp	NF						
Neon Lamp	NF						
Ultra-violet Lamp					I		
THERMOSTAT PROBES (ALSO KNOWN AS FLAME SENSORS OR GAS SAFETY VALVES):							
Furnaces					B		Implementation in progress
Water heaters					B		Implementation in progress
Ranges, ovens					B		Implementation in progress
Space heaters					B		Implementation in progress
TILT SWITCHES AND RELAYS:							
Tilt Switches at WPCP					I		
Public Works Material Testing Lab							
Thermometers					B		
Other Mercury-containing materials					B		Implementation in progress
WPCP LAB MATERIALS							
Thermometers	NF						WPCP Lab uses alcohol-based thermometers and other traditionally mercury-containing apparatus
Mercury-containing Samples						I	Spent samples treated as Hazardous Waste and picked up by hauler every 2-3 months
Status Key: No Action: No action identified for implementation ID: Actions have been identified; implementation has not begun B: Began process of implementation I: Management option identified has been fully implemented NF: product was not found in municipal inventory to date				Management Options Key: MO #1: Replace with an alternative product when the product is identified, if an alternative exists. MO #2: Replace upon failure, with an alternative product if an alternative exists. MO #3: Reduce the use where possible MO #4: Recycle when no longer in use MO #5: When appropriate, dispose of as hazardous waste			

10. CNAP: Copper / Nickel Action Plans

10.A CNAP Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
CB-1	Vehicle Washing Operations			
CB-1.A	Have member of San José team trained to lead mobile cleaners certification seminar.	As needed	Done FY 05-06 and ongoing. City staff available to train as needed.	ESD
CB-1.B	Support Program in hosting mobile cleaners certification seminar.	FY 06-07	Not scheduled this FY	ESD
CB-1.B.1	Promote list of certified mobile cleaning service providers.	Ongoing	Done FY 05-06 and ongoing. A link to the database of BASMAA-trained Recognized Mobile Surface Cleaners is posted on the City's website.	ESD
CB-1.C	Distribute coupons in support of Program partnership with Western Car Wash Association.	As needed, dependant on Program activities	The Program opted not to do this task in FY 05-06.	Program, ESD
CB-3	Industrial Discharges			
CB-3.A	Continue Distribution of information regarding copper from roof vents.	Ongoing	Done FY 05-06 and ongoing. Information is available on ESD website. The Roof Vent BMP was also distributed to 115 pertinent Industrial Users in San José, along with a cover letter informing businesses of the potential for roof runoff at their facilities. See 14.D: <i>PIP Activities Tables</i> for details	ESD
CB-3.A.1	Continue rooftop inspections. Evaluate efforts and need for any additional effort.	12/31/2005	Done FY 05-06. See 10.B: <i>CNAP Program Evaluation</i> for details.	ESD
CB-3.B	Mail NOI Package: information on the GIASP and how to comply, to targeted industrial facilities.	6/30/2006	Done FY 05-06. 115 packages were mailed to targeted industrial facilities.	ESD
CB-8	Watershed Assessments and New Development			
CB-8.A	See NRD section for details on San José implementation of C.3 permit provisions.		See NRD section for details on San José implementation of C.3 permit provisions.	
CB-11	Street Sweeping and Storm System O&M			
CB-11.A	Track quantitative data on the tons of material removed and disposed and other relevant street sweeping program data.	Annually	Done FY 05-06. Residential street sweeping frequency is once per month. In FY 05-06, the area in which parking restrictions are enforced was again broadened to 196 curb miles, up from 160 curb miles in FY 04-05. In FY 05-06, approximately 26,891 cubic yards of debris were collected during all street-sweeping operations. See 5.B: <i>PSR Program Evaluation</i> for more information on street sweeping activities. The City also has a comprehensive storm sewer inlet	ESD-IWM, DOT

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			cleaning program, where a Vactor removes debris from all of the City's inlets. In FY 05-06, approximately 1,355 cubic yards of debris were removed, up from 1,183 cubic yards in FY 04-05. See 6.A: <i>SDO Work Plan Self Evaluation Matrix</i> for details.	
CB-12	Pools and Spas			
CB-12.A	Distribute outreach materials at events, public counters, and post on City website.	Ongoing	Done FY 05-06. See 14.D: <i>PIP Activities Tables</i> for details	ESD
CB-12.B	Provide guidance to residents on disposal alternatives for pool and spa water.	Ongoing	Done FY 05-06. Residents who call for guidance are told to dispose of their pool and spa water in their sanitary sewer clean-out.	ESD
CB-21	Architectural use of copper			
CB-21.A	Continue to discourage architectural use of copper during Planning application review.	Ongoing	Done FY 05-06 and ongoing. As projects undergo review, comments discouraging architectural use of copper in development projects are given. Projects have been revised to reduce the use of copper and direct runoff to landscaped areas. See NRD 8.D.	PBCE-Planning
CB-21.B	Continue to monitor progress of San José Green Building program to identify opportunities for discouraging architectural use of copper.	Ongoing	Ongoing. ESD has a dedicated LEED-accredited staff person who reviews public projects and advises City staff on Green Building materials and techniques, including discouraging architectural use of copper.	PBCE-Planning ESD-UR
NB-1	Discharges from Construction Sites			
NB-1.A	See NRD and CON program elements for activities that address erosion control.	Ongoing	Ongoing. See NRD and CON program elements for activities that address erosion control.	

10.B CNAP Program Evaluation

Measures to control copper discharges that require implementation at the municipal level have been integrated into ongoing City activities identified in the IND and NRD sections of the URMP. Copper and Nickel also remain among the list of pollutants addressed by general and targeted outreach regarding stormwater pollution prevention. In addition to the activities described above, the City also actively participates in semi-annual meetings with the Water Board and other stakeholders to review implementation of the Copper and Nickel Action Plans. Additionally, the City provides the monitoring and data analysis used to evaluate water quality trigger levels associated with the Copper and Nickel Action Plans for the South Bay.

In FY 04-05, the City's Watershed Enforcement Program began a project to conduct rooftop inspections of select facilities in addition to other inspection activities already scheduled to occur at those facilities. This project continued into FY 05-06. The purpose of this project was to evaluate the degree of BMP implementation with respect to rooftop sources of pollution. Facilities were selected by SIC code based on the 1998 Industrial Stormwater Quality Monitoring Pilot Project's recommendations of facilities with a potential for significant contribution to polluted stormwater runoff. Contact letters and the Roof Vent BMP Fact Sheet were mailed to the 84 selected facilities, and 23 were returned from closed or moved businesses. Of the 61 viable companies, 18 were scheduled for inspection in Calendar Year 2005.

In all of the inspections performed, no Areas of Concern were discovered pertaining to roof runoff pollution. One facility received a recommendation to check roof exhaust vent prior to rainy season, and four received a recommendation to inspect and clean residue from roof top vents prior to rainy season. Due to the lack of visible evidence of roofs contributing polluted stormwater runoff, the City feels that further rooftop inspections are not warranted.

The City continued its NOI Filers Project in FY 05-06. Select facilities were contacted and encouraged to comply with the State's General Industrial Activities Stormwater Permit (GIASP). The Contact letter included a checklist to help determine if the facility needed to be covered by the GIASP, a flow chart detailing the development and implementation of a SWPPP, and a reprint of a previously published Tributary Tribune article with information about the GIASP and the Stormwater Enforcement Act of 1998 (AB 2019). The City sent the contact package to 115 facilities in San José. These facilities were selected based on the following criteria:

- Facilities listed in Watershed Enforcement's Industrial and Commercial database (EEDMS).
- Facilities with a GIASP Category of 8 or 10 (Based on SIC Code)
- Facilities documented by Watershed Enforcement Inspectors as either needing to file NOI or no determination made. (Facilities identified as not needing to file or found to have already filed were not contacted.)

Initially the contact package was to be sent out to all facilities with the above criteria AND with the SIC code identified in the 1998 *Industrial Stormwater Quality Monitoring Pilot Project*. However, the City decided to send the information to all facilities in our database which may be subject to the GIASP.

Watershed Enforcement Inspectors are trained in GIASP requirements. They evaluate each facility for applicability of the GIASP, and make recommendations to the facility owners/operators based upon their findings. These activities are fully integrated into the standard operating procedures for Watershed Enforcement inspections. Facilities found to need to file are reported to the Water Board annually in the City's URMP Annual Report. See 2.D: *Companies Requiring NOI Based on SIC But Have Not Filed* and 2.D: *Companies Requiring NOI Based on Exposure But Have Not Filed* for this information.

On May 8, 2006 the City hosted a street sweeping workshop titled Minimizing Stormwater Runoff Pollution through Sweeping Program Maximization. This workshop on pavement cleaning BMPs, sponsored by Worldsweeper.com and Allianz, gave information on the sources and characteristics of street pollutants picked up by sweepers, the effectiveness of sweepers, and guidance for developing and implementing effective pavement cleaning programs. Thirty-two people attended from local and state agencies, some from as far away as Roseville.

10.C CNAP Response to Water Board Comments

No comments were received from the Water Board on this Program Element.

10.D CNAP Summary Tables / Additional Information

No additional information for this Program Element.

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11. TRA: Trash

11.A TRA Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
TRA 1	Inventory, Document and Evaluate Trash Management Practices			
TRA 1.A	Complete Program survey of existing trash management practices.	Done FY 02-03	Done FY 02-03.	ESD
TRA 2	Document and Map Known Trash Problem Areas			
TRA.2.A	Identify data sources and information showing the location of known trash problem areas (e.g., trash complaints/ incidents and eradication efforts.)	Done FY 03-04	Done FY 03-04.	ESD
TRA 2.B	Compile trash problem location data/information and submit to Program for conversion to coordinates for GIS mapping.	Done FY 03-04	Done FY 03-04.	ESD
TRA 2.C	Revise and update documentation (list of locations, maps, etc.) of known trash problem areas.	As Needed	No updates were required in FY 05-06.	
TRA 3	Conduct Trash Evaluations			
TRA 3.A	Work with Program to select trash evaluation methodology.	Done FY 03-04	Done FY 03-04.	ESD
TRA 3.B	Assist Program with planning and organizing of training workshop for municipal staff.	Done FY 03-04	Done FY 03-04.	ESD
TRA 3.C	Participate in the trash evaluation methodology training workshop.	Done FY 04-05	Done FY 04-05.	ESD
TRA 3.D	Conduct trash evaluations and submit to Program staff:	--	--	ESD
TRA 3.D.1	Coyote Watershed	Done FY 04-05	Done FY 04-05.	ESD
TRA 3.D.2	Remaining San José locations	FY 05-06	Done FY 05-06. The remaining 12 hotspots were assessed twice during FY 05-06. 10 of the sites were on the Guadalupe River and 2 were within San Tomas Creek. All 12 sites were assessed using the KAB methodology. Accessibility and water level prevented implementation of Urban Rapid Trash Assessment (URTA) methodology at the two locations previously identified as candidates for RTA. See 11.D: <i>Trash Problem Area Activity Report</i> .	ESD
TRA 3.E	Continue trash evaluations in high priority areas to track changes over time.	Ongoing	Done FY 05-06 and ongoing. Trash evaluations were performed at 6 of the 7 high priority hotspots in the Coyote watershed identified in FY 04-05. One hotspot, Coyote Creek at Watson Park, was not re-assessed this year because the site was closed for remediation. Trash evaluations at high priority sites will continue in FY 06-07.	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
TRA 4	Develop Standardized Documentation and Reporting Format			
TRA 4.A	Work with Program to develop a reporting format to document trash management activities in Annual Reports.	Done FY 03-04	Done FY 03-04.	ESD
TRA 5	Document and Analyze Evaluation Results; Identify and Prioritize Trash Problem Areas			
TRA 5.A	Assist Program staff with the documentation and analysis of trash evaluation results.	Ongoing	Done FY 05-06 and ongoing. The City submitted trash assessment data to Program.	ESD
TRA 5.B	Identify high priority trash areas using trash evaluation results:	--	--	ESD
TRA 5.B.1	Coyote Watershed	Done FY 04-05	Done FY 04-05.	ESD
TRA 5.B.2	Remaining San José locations	FY 05-06	Done FY 05-06. Evaluations of litter hotspots were completed at the 12 remaining San José locations. The Keep America Beautiful (KAB) Litter Index was used to assess all 12 sites. Accessibility and water level prevented use of the URTA methodology at any of the remaining sites. Two assessments were performed at each site. High priority areas were determined based on receipt of a KAB score of 3 (littered) or 4 (extremely littered). See 11.D: <i>Trash Problem Area Activity Report</i> .	ESD
TRA 6	Identify and Implement Trash Management Practices			
TRA 6.A	Identify reasonable trash management practices to address high priority areas (in TRA 5B).	Ongoing	Done FY 05-06 and ongoing. The assessment for each site includes recommendations for enhancing trash management practices. See 11.D: <i>Trash Problem Area Activity Report</i> .	ESD, PRNS, GS, DOT
TRA 6.B	Implement or refine trash management practices at high priority areas to the maximum extent practicable.	Ongoing	Done FY 05-06 and ongoing. The City continued support of volunteer community creek clean-ups that take place at two of the high priority areas on the Coyote Creek. The City partnered with the Water District to clean up three locations with significant trash accumulations in the Coyote Creek Watershed this fiscal year as part of a memorandum of agreement. The City continues to support the Anti-Litter Program, which has more than 2,800 volunteers participating in litter removal throughout the City.	ESD, PRNS, GS, DOT
TRA 6.C	Document and report implementation of trash management actions.	7/31/05 Ongoing	Done FY 05-06 and ongoing. See 11.D: <i>Trash Problem Area Activity Report</i> . In addition, to the trash management actions noted in the activity report, the City hired the San Jose Conservation Corps to remove significant accumulations of trash from several creek areas removing a total of roughly 70 cubic yards of trash. In addition,	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			enforcement was used to help facilitate removal of trash on privately owned properties to a greater extent.	
TRA 6.D	Provide Program with information on trash management practices implemented on standardized reporting format.	Annually	Done FY 05-06. Reviewed and provided comments on the Trash Problem Area Activity Report Form developed by the Program.	ESD
TRA 7	Review and Update Performance Standards and Develop Long-Term Strategy for Trash Management			
TRA 7.A	Assist with the review and update of existing standards that address BMPs or control measures relevant to trash management.	TBD by Program	Pending Program implementation.	ESD
TRA 7.B	Assist Program staff in developing a long-term strategy for trash conditions in urban streams and waterways.	FY 05-06	Done FY 05-06 and ongoing. Staff participated in Trash AHTG meetings in which discussions began regarding a long-term strategy. The City will continue to assist Program in developing a long-term strategy in FY 06-07.	ESD

11.B TRA Program Evaluation

FY 05-06's activities focused on: continuation of trash problem area assessments, continued support of City and community trash clean-up efforts, and evaluation of additional trash management activities for future implementation.

Initial trash assessments were performed at the 12 remaining San Jose hotspots, and a second round of evaluations were performed on select locations in the Coyote Creek Watershed (initially evaluated in FY 04-05). The priority was to complete initial assessments of trash problem areas on the Guadalupe River and San Tomas Aquino Creek. These assessments were completed using the Keep America Beautiful (KAB) Litter Index only. The Urban Rapid Trash Assessment (URTA) was not used at these locations due to access limitations and safety concerns. Each of the 12 sites was evaluated for the first time in the Fall 2005 and for a second time in Spring 2006. The second round of trash problem area evaluations was performed at six of the seven locations in the Coyote Creek watershed that were identified as high priority areas last year. Only a single round of assessments was performed at these locations due to resource limitations. One high priority trash hotspot on the Coyote Creek was not assessed in FY 05-06 because access was not available due to a soil remediation project in the park adjacent to the hotspot. This area will be assessed in FY 06-07, or after accessibility has been restored.

In general, trash assessments revealed that existing trash management activities are sufficient. Scores for some locations, however, indicated that some additional efforts are needed to control trash. Only 2 of the 12 Guadalupe River and San Tomas Aquino Creek sites assessed using the KAB methodology earned an average score of 3 (littered) or 4 (extremely littered), indicating a modest need for improvement. One of the four "high priority" Coyote Creek watershed sites (previously identified in FY 04-05 using the KAB methodology) scored a 3 or 4. The high priority sites in all watersheds will be assessed again in FY 06-07. Trash management practices at the remaining sites appeared to be working well based on observations at the time of the assessment.

Many of the sites on the on the hotspot list are included in the City's Anti-Litter Program (ALP) litter spots list and have been adopted and are cleaned by community members or City crews periodically. A majority of the ALP sites were found in good condition, scoring 1 (no litter) or 2 (slightly littered), indicating that ALP efforts are effective. The few ALP sites which scored 3 or 4 may need additional or improved trash management activities. The RTA assessment methodology was applied at 2 sites this year in the Coyote Creek watershed. See 11.D: *Trash Problem Area Activity Report* for assessment data. Trash assessments will continue in FY 06-07 at high priority sites only.

Enhanced Trash Management Practices

The City continues to maximize existing resources to address trash problem areas throughout the City. This year Watershed Enforcement staff served as a resource to help address trash problems on privately owned property adjacent to creeks. Contact from Watershed Enforcement Inspectors motivated property owners to take measures to clean up and/or prevent trash from re-accumulating. This year the City of San José and the Santa Clara Valley Water District (District) continued efforts

associated with the Memorandum of Agreement for Trash Prevention and Removal (Trash MOA) executed in FY 04-05. The highlight of Trash MOA activities was the partnered clean-up projects on the Coyote Creek and the Guadalupe River. The Trash MOA calls for three partnered clean-up projects each calendar year that are intended to take place at locations that fall outside the normal scope of operations of the City and District. During this reporting period, two partnered clean-up projects occurred in the Coyote Creek Watershed and a third on the Guadalupe River. An estimated total of four tons of debris was removed. In addition, the City established an agreement with the San Jose Conservation Corps to provide cleanup services along creeks to supplement existing cleanup provided under the Trash MOA and by City maintenance. The Conservation Corps removed approximately 70 cubic yards (approximately 7 tons) of trash from the Guadalupe River and Coyote Creek banks and beds.

The City submitted a concept proposal for Water Board Consolidated Grants Program for funds to support implementation of a structural trash control pilot program. The grant concept proposal was not advanced to the application stage, but City funds were budgeted to support a much smaller scale implementation of trash controls (catch basin inserts, inlet bars, or underground separation units) in FY 06-07. Efforts will be focused on developing a scope for the project that is feasible for implementation in FY 06-07.

In FY 05-06 DOT, installed and is piloting new catch basin grates as part of an American with Disabilities Act street retrofit in downtown San Jose neighborhoods. In addition to providing a firm surface for wheelchairs, walkers, crutches and the like, the catch basins prevent large pieces of trash from entering the storm drain. DOT is monitoring the catch basins to evaluate increased maintenance and whether the grates aggravate flooding. In FY 06-07, the City will continue to identify ways to enhance existing trash management practices, including the continued introduction of structural trash controls like catch basin grates. In addition, the City intends to complete production on public education materials designed to educate the public on the impact of litter on the condition of urban creeks.

11.C TRA Response to Water Board Comments

No comments were received from the Water Board on this Program Element.

11.D TRA Summary Tables / Additional Information

Trash Problem Area Activity Report

#	DATE	SITE ID	WATERSHED	LOCATION	ASSESSMENT METHOD	SCORE	EXISTING TRASH MANAGEMENT ACTION	RECOMMENDED MANAGEMENT ACTIONS AND/OR FUTURE EVALUATIONS
1.	10/5/05	SJ01	San Tomas Aquino Creek	San Tomas Aquino Pkwy between Payne and Mona	KAB ^a	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Abandoned carts reported for pick up. Future assessment is recommended.
2.	6/23/06	SJ01	San Tomas Aquino Creek	San Tomas Aquino Pkwy between Payne and Mona	KAB	1	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.
3.	10/5/05	SJ02	Guadalupe River	Blackford High School (Boyton Av)	KAB	1	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Site was clean. There were signs indicating that sweepers recently passed through. One additional assessment is recommended to ensure that the site was not just clean because of recent street sweeping.
4.	6/29/06	SJ02	Guadalupe River	Blackford High School (Boyton Av)	KAB	1	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers	Existing trash management practices appear to be sufficient. No future

^a Keep America Beautiful (KAB) Litter Index ratings are: 1-No litter, 2- slightly littered, 3- Littered, 4- extremely littered

*City of San José Urban Runoff Management Plan
Annual Report FY 2005-2006*

#	DATE	SITE ID	WATERSHED	LOCATION	ASSESSMENT METHOD	SCORE	EXISTING TRASH MANAGEMENT ACTION	RECOMMENDED MANAGEMENT ACTIONS AND/OR FUTURE EVALUATIONS
							or City staff.	assessment recommended.
5.	10/23/05	SJ03	Coyote Creek	Santa Clara between 17th and 20th St.	KAB	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Continue support of community clean-up efforts in this area.
6.	10/5/05	SJ06	Guadalupe River	Home St from Sunol to the dead end	KAB	4	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	This may be a potential site for partnered City and District clean-up. Future assessment is recommended.
7.	4/28/06	SJ06	Guadalupe River	Home St from Sunol to the dead end	KAB	2	A fence was installed that blocks access to creek area from Sunol. Based on what could be seen through fence, the site is cleaner than it was six months ago.	Future assessment is not recommended due to blocked access.
8.	6/23/06	SJ07	Coyote Creek	Penitencia Creek at Creekland Cir	RTA ^β	71/123	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	This location could benefit from involvement of adjacent property association participation. Future assessment is recommended.
9.	10/5/05	SJ14	Guadalupe River	Old Almaden Rd from Capitol Expwy to Almaden Expwy	KAB	4	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Determine property ownership and identify resources to clean-up of the area. Future assessment recommended.
10.	4/28/06	SJ14	Guadalupe River	Old Almaden Rd from Capitol Expwy to Almaden Expwy	KAB	4	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Make contact with Goodwill regarding potential solutions to the problem. Future assessment recommended.
11.	10/5/05	SJ15	Guadalupe River	E side of Camden Av between Guadalupe Mines Rd and Vista Loop	KAB	1	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	This site was extremely clean. No litter visible. Does not warrant future assessment.
12.	4/28/06	SJ15	Guadalupe River	E side of Camden Av between Guadalupe Mines Rd and Vista Loop	KAB	3	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Future assessment recommended.
13.	10/5/05	SJ16	Guadalupe River	Blossom River Dr between Blossom Hill Rd and Blossom River Wy	KAB	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. No future assessment recommended.
14.	4/28/06	SJ16	Guadalupe River	Blossom River Dr between Blossom Hill Rd and Blossom River Wy	KAB	1	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.
15.	10/5/05	SJ17	Guadalupe River	Almaden Expwy at Crown and Camden	KAB	1.5	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.
16.	4/28/06	SJ17	Guadalupe River	Almaden Expwy at Crown and Camden	KAB	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.

^β Rapid Trash Assessment (RTA) scores range from 0 (worst) to 120 (best). Scores are expressed above as overall numeric score/quantity of trash counted.

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#	DATE	SITE ID	WATERSHED	LOCATION	ASSESSMENT METHOD	SCORE	EXISTING TRASH MANAGEMENT ACTION	RECOMMENDED MANAGEMENT ACTIONS AND/OR FUTURE EVALUATIONS
17.	10/5/05	SJ18	Guadalupe River	Northside of Coleman Rd between Almaden Expwy and Meridian Av	KAB	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.
18.	4/28/06	SJ18	Guadalupe River	Northside of Coleman Rd between Almaden Expwy and Meridian Av	KAB	1.5	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	Existing trash management practices appear to be sufficient. Future assessment is not recommended.
19.	10/5/05	SJ19	Guadalupe River	Camden Av between Coleman and Camden Village Cir	KAB	3	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	This site is located in front of a multifamily dwelling, and adjacent to a VTA bus stop. Installation of a trash receptacle may help reduce litter on ground. Lots of trash accumulated behind bench. Future assessment is recommended.
20.	4/30/06	SJ19	Guadalupe River	Camden Av between Coleman and Camden Village Cir	KAB	2	This location is on the Anti-Litter Program list and is periodically cleaned by volunteers or City staff.	No recommended management action. One future assessment is recommended. Area may have been clean due to construction project occurring at the time of assessment.
21.	10/5/05	SJ20	Guadalupe River	Almaden at Ironwood	KAB	2	Area is fenced off to prevent access which serves to keep litter out of the channel.	This site should be assessed at least once more. This location is a potential site for a future clean-up.
22.	4/28/06	SJ20	Guadalupe River	Almaden at Ironwood	KAB	2	Area is fenced off to prevent access which serves to keep litter out of the channel.	No recommended management action. Future assessment not recommended.
23.	10/5/05	SJ21	Guadalupe River	Julian St near Guadalupe Pkwy (under bridge near creek)	KAB	2	According to signage, the Rotary Club adopted this area under the Water District's Adopt-a-Creek Program.	Existing management actions appear to be effective. Future assessment is recommended to compare seasonal differences.
24.	4/28/06	SJ21	Guadalupe River	Julian St near Guadalupe Pkwy (under bridge near creek)	KAB	2	This area is maintained by the Park maintenance staff, and is a targeted Clean-up site for creek Clean-up days. According to signage, the Rotary Club adopted this area under the Water District's Adopt-a-Creek Program.	Existing trash management practices appear to be sufficient. No future assessment is recommended.
25.	6/22/06	SJ23	Coyote Creek	Coyote Creek at Evergreen Park	RTA	56	Park Maintenance staff maintains the park on a regular basis. However, the trash left in creek bed following the heavy winter rains remained.	Determine whether volunteer resources are available to do annual clean-up. Future assessment is recommended.
26.	10/5/05	SJ25	San Tomas Aquino Creek	Starbird Park (Boynton at Williams)	KAB	1	Parks Maintenance cleans the park area.	Abandoned carts reported for pick up. One future assessment is recommended.
27.	6/23/06	SJ25	San Tomas Aquino Creek	Starbird Park (Boynton at Williams)	KAB	1	Park Maintenance staff maintains the park on a regular basis. Neighboring apartment manager collects stray carts in the area and places in a fenced corral.	Existing trash management practices appear to be sufficient. No future assessment is recommended.

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#	DATE	SITE ID	WATERSHED	LOCATION	ASSESSMENT METHOD	SCORE	EXISTING TRASH MANAGEMENT ACTION	RECOMMENDED MANAGEMENT ACTIONS AND/OR FUTURE EVALUATIONS
28.	6/29/06	SJ27	Coyote Creek	Coyote Creek between Berryessa Rd and Mabury Road	KAB	2	Site was in very clean condition. The Santa Clara Valley Water District has the area fenced off which prevents access and windborne trash.	No additional management actions recommended. Future assessment is recommended.
29.	6/23/06	SJ28	Coyote Creek	Coyote Creek at Julian Street Bridge	KAB	2	The San Jose Academy has been cleaning the banks adjacent to the academy on National River Clean-up Day and Coastal Clean-up Day. A community group also helps maintain the area.	No additional management actions recommended. Future assessment is recommended.
30.	6/29/06	SJ30	Coyote Creek	Coyote Creek at Upper Penitencia (confluence adjacent to Flea Market)	KAB	3	Flea Market staff cleans the parking lot and creek banks regularly. Area seemed cleaner than it was at the last assessment.	No additional management actions recommended. A periodic communication with the Flea Market Management may help. Future assessment is recommended.

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12. MON: Monitoring

12.A MON Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PCB	PCB Control Program			
PCB.A	Identify sampling sites that may contain PCB contaminated sediment based on land use, anecdotal information, and suitability of the site for data collection.	Done 6/00	Done, prior to FY 01-02.	Program
PCB.B	Conduct initial sampling at four sites determined by Task A.	Done 10/00 & 3/01	Done, prior to FY 01-02.	Program
PCB.C	Prepare and submit to the Program a case study report for drainage areas associated with initial PCB sampling.	Done 10/01	Done FY 01-02.	Program
PCB.D	Conduct a second round of sampling at 10 additional sites selected for follow up study.	Done 11/01	Done FY 01-02.	Program
PCB.E	Submit a report on the second-year watershed characterization studies to the Regional Board.	4/15/02	Done FY 01-02.	Program
PCB.F	Complete a draft work plan with additional actions related to identifying PCBs sources and implementing controls and a schedule for their completion.	6/3/02	Done FY 01-02.	Program
PCB.G	Begin implementation of final PCB Control Plan upon approval.	TBD	The City is working with the Program and the Water Board through the CEP to develop a comprehensive strategy for PCB control.	ESD-WE, Program
Dioxin	Dioxin-like Compound Control Program			
Dioxin.A	Characterize distribution of Dioxin-like compounds in the urban runoff system based on existing data.	6/02	Program level activity.	Program
Dioxin.B	Begin implementation of SCVURPPP plan to characterize distribution of Dioxins.	10/02	Program level activity.	Program
Dioxin.C	Submit plan that identifies control measures / management practices to eliminate or reduce discharges of Dioxins, if needed.	3/03	Program submitted draft Control Plan separately 3/1/02.	Program
MON 1	Industrial Stormwater Monitoring Pilot Program			
MON 1.A	Review data used to estimate the industrial contribution of pollutants to storm system in MCMP.	Done 5/97	Done, prior to FY 01-02.	ESD
MON 1.B	Identify monitoring objectives based on issues identified in task A. Select industry group.	Done 6/97	Done, prior to FY 01-02.	ESD
MON 1.C	Identify willing industry participants. Review site SWPPPs.	Done 7/97	Done, prior to FY 01-02.	ESD
MON 1.D	Design sampling program for industry sites identified	Done 8/97	Done, prior to FY 01-02.	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	per task C.			
MON 1.E	Conduct sampling during first 30 minutes of effective storm events.	Done 4/98	Done, prior to FY 01-02.	ESD
MON 1.F	Analyze data per the Program objectives	Done 5/98	Done, prior to FY 01-02.	Program
MON 1.G	Develop guidance for industry to improve SWPPP implementation and monitoring.	Done 6/98	Done, prior to FY 01-02.	ESD
MON 1.H	Provide technology transfer information and training to industry and municipal inspectors.	Ongoing, See IND PS	Done. Remaining ongoing portions of MON 1 done as part of IND 6.	ESD
MON 1.H.1	Identify facilities for general outreach/awareness programs.	Ongoing, See IND PS	Done. Remaining ongoing portions of MON 1 done as part of IND 6.	ESD
MON 1.H.2	Develop educational materials for general outreach programs. Identify appropriate forum for outreach efforts.	Ongoing, See IND PS	Done. Remaining ongoing portions of MON 1 done as part of IND 6.	ESD
MON 1.H.3	Train trade organizations in Industrial Activities Stormwater outreach programs. Conduct outreach.	5/02 Done	Done. Remaining ongoing portions of MON 1 done as part of IND 6.	ESD
MON 1.H.4	Identify industrial facilities for focused BMP Development.	7/02 Done	Done FY 01-02.	ESD
MON 1.H.5	Gain participation of trade organizations in identifying significant pollutant sources and developing appropriate BMPs.	9/02 Done	Done FY 01-02.	ESD
MON 1.H6	Conduct program to develop BMPs and measure effectiveness.	11/02	Done. Remaining ongoing portions of MON 1 done as part of IND 6.	ESD
MON 3	First Flush Monitoring Program			
MON 3.A	Identify sampling sites based on land use, and suitability of the site for data collection.	Done 6/97	Done, prior to FY 01-02.	ESD
MON 3.B	Train staff on sampling procedures, protocols and safety measures.	Done 9/97	Done, prior to FY 01-02.	ESD
MON 3.C	Collect representative samples from first effective rainfall and every opportune rainfall event of the season.	Done 4/98 through 4/00	Done, prior to FY 01-02.	ESD
MON 3.D	Analyze each season's data to characterize runoff constituents.	Done 6/98 through 6/00	Done, prior to FY 01-02.	ESD
MON 3.E	Provide screen of analysis to further identify location and extent of pollutants for source control and outreach efforts.	Done 7/98 through 6/00	Done, prior to FY 01-02.	ESD
MON 3.F	Based on analysis, provide information for targeting sampling.	Done 12/02	Done FY 02-03.	Program
MON 3.G	Compare results with other sites, regional monitoring efforts, trends and other data to provide indication of relative magnitude of pollutant problem.	Done 9/02	Done FY 02-03.	Program

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
MON 3.H	Explore modeling approaches to characterize water quality in the watershed and target additional monitoring efforts.	Done 9/02	Done FY 02-03.	Program
MON 3.I	Provide data to SCVURPPP Program as part of 5-Year Monitoring Program.	Report 6/02	Done FY 02-03.	ESD

12.B MON Program Evaluation

Monitoring activities are conducted effectively at the Program level with participation from City staff to support collaboration with the Water Board (through the CEP) and to provide technical review of Program products. The City participated in a Program-wide survey of relevant municipal policies and practices that might serve to reduce dioxin emissions. These included activities relating to multiple potential source types such as fireplace and wood-burning appliances, diesel use, pesticide use, and paper use. The City supplied information to the Program in support of this effort. The City has existing wood burning and wood burning appliance ordinances in place that effectively reduce the potential for atmospheric dioxin release. In addition, City staff is investigating the feasibility of alternative fuels for diesel vehicles that would also serve to reduce the potential for dioxin emissions.

The City provided water quality monitoring equipment and supplies for the Program's FY 05-06 creek monitoring activities.

12.C MON Response to Water Board Comments

No comments received from Water Board on this Program Element.

12.D MON Summary Tables / Additional Information

No tables or additional information.

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13. MC: Municipal Compliance

13.A MC Work Plan Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
MC 1	Municipal Training Municipal Training is a critical function of the City's NPDES Permit. Municipal compliance is dependent on the level and quality of the training provided.			
MC 1.A	Identify training needs.	Annually	Done FY 05-06. Hazardous waste, various aspects of NPDES C.3, and corporation yard SWPPP training were among the training needs identified.	ESD-UR
MC 1.B	Develop curricula.	As Needed	Done FY 05-06 for training noted in MC 1.A.	ESD-UR
MC 1.C	Conduct training.	Ongoing	Done FY 05-06. See 13.D: <i>Municipal Employee Training Summary</i> .	ESD-UR
MC 1.D	Evaluate municipal training program and make improvements as needed.	Annually	Done FY 05-06. The City conducted municipal training for all required Program Elements. The instructors reviewed course evaluation forms and made improvements to the curriculum. Evaluation forms from the morning sessions of the construction inspectors training were used on the spot by the instructors to make adjustments to the training content for the afternoon sessions.	ESD-UR
MC 2	Municipal Facilities Assessment and Compliance Municipal facilities are required to comply with stormwater regulations. Efforts to reduce contaminated discharges from City facilities must be similar to those required of private businesses. While many elements for permit compliance are in place, the City requires a systematic approach to City facilities compliance at the level of effort required in the URMP.			
MC 2.A	Conduct Corp Yard assessments and inspections.	Annually	Done FY 05-06. Annual Corporation Yard inspections were conducted in the first quarter of 2006. Quarterly Hazardous Material inspections at the Corp Yards and Municipal Garage, which include stormwater issues, were conducted in FY 05-06.	ESD-UR, GS, DOT
MC 2.A.1	Conduct Citywide meeting to discuss Hazardous Material, Safety, and Stormwater issues for City corporation yards (up to two times per year).	Annually	Done FY 05-06. A Citywide Hazardous Materials Management meeting was conducted on June 16, 2006. The meeting was conducted in order to provide staff with information and training on the correct handling and storage of hazardous materials, safety procedures, and stormwater best management practices.	GS, ESD, DOT, Fire, Police
MC 2.A.2	Revise Corporation Yard inspection form.	9/30/05	Done FY 05-06. Corporation Yard inspection form was updated in July 2005.	ESD-UR
MC 2.B	Review Municipal Facilities SWPPPs.	Annually	Done FY 05-06. Minor revisions were made to the Main Yard SWPPP in March 2006.	ESD, GS, DOT
MC 2.B.1	Fully revise the five (5) remaining Corporation Yard	6/30/07	Done FY 05-06 and continuing. First drafts for 3 of the	ESD-UR, GS, DOT

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	SWPPPs (using the Main Yard revised SWPPP pilot process as a template).		remaining 5 SWPPPs that need full revision were completed in FY 05-06. Drafts are currently out for review and comment.	
MC 2.C	Conduct SWPPP training at City corporation yards.	Annually	Done FY 05-06. SWPPP training was conducted at the six Corp Yards in June 2006.	ESD-UR, GS, DOT

13.B MC Program Evaluation

Training

During FY 05-06, the City conducted municipal training for all required Program Elements. See 13.D: Municipal Employee Training Summary. Highlights from this year's training include:

- 1) The City conducted numerous trainings in multiple City departments on Hazardous Waste. Eight ESD Watershed Enforcement Inspectors attended Hazardous Waste Operations Annual Refresher Training on 09/20/05, 10/20/05, 11/04/05, and 12/06/05. In addition, one ESD Inspector attended the annual training conference sponsored by the California Hazardous Materials Investigation Association on 03/14/06. Hazardous materials handling was included in annual training conducted for 12 full time and 11 part time PRNS Park Rangers held on 2/10/06 and 03/28/06, respectively. In addition, 15 staff from ESD, GS, DOT, and PRNS attended a Citywide hazardous materials management meeting on 06/16/06.
- 2) The City continues to place high importance on post-construction stormwater treatment and hydromodification (also referred to as C.3) technical training. ESD Urban Runoff, Santa Clara Valley Urban Runoff Pollution Prevention Program, WMI-LUS, StormCon, and EOA, Inc Consultants conducted several trainings on various aspects of treatment and hydromodification management. Staff from Public Works, Planning, Building, and Code Enforcement, Transportation, and Environmental Services attended these training sessions. See 3.B: NRD Program Evaluation for details.
- 3) Numerous trainings were conducted for City field and maintenance staffs. Department of Transportation crews received training on stormwater BMPs and SOPs on 05/16/06, 05/17/06, 05/23/06, 05/25/06, and 05/31/06. Parks, Recreation, and Neighborhood Services (PRNS) and Rural Public Roads staffs were trained on BMPs and SOPs related to their operations on 11/07/05, 11/09/05, 11/10/05, 11/14/05, and 11/16/05. Corporation Yard SWPPP training was conducted for General Services and PRNS staffs on 06/08/06, 06/12/06, 06/13/06, 06/14/06, and 06/19/06.
- 4) An evaluation of training shows the City is complying with the Urban Runoff Management Plan by conducting training for every Program Element activity that requires training. Attendees for these trainings complete evaluation forms and turn them into the instructors. Instructors review these forms to see where they can improve the training and make it better. These forms are later entered in to a tracking database for later review by ESD management.

Municipal Facilities

Annual Corporation Yard stormwater inspections were completed in the first quarter of 2006. The Stormwater Inspection form for Corp Yards was revised to address confusion on whether a listed area of concern is not applicable (activity and/or equipment not present at the facility) or is applicable (present at the facility) but not inspected during the inspection.

In FY 05-06 City staff conducted quarterly Hazardous Material inspections, which also include stormwater issues. A semi-annual City-wide meeting to discuss hazardous materials, safety, and stormwater issues was held on June 16, 2006. These regular meetings have proven to be effective in improving the coordination between GS staff, ESD staff, and Corp Yard representatives. The combination of an annual stormwater assessment inspection, including stormwater concerns in the quarterly hazardous material inspections, and the Citywide Hazardous Material Management meetings, which include stormwater issues, appears to be working well. The concerns in the Corp Yard inspection reports are usually minor and resolved swiftly; concerns that are more significant are less frequently noted as the program is becoming part of the institution of the Corp Yards.

Corp Yard SWPPP training was held in June 2006 for the GS and PRNS Corp Yard staff. Participants were given an evaluation form to fill out. Of the 106 staff that participated in the training, 76 evaluations were completed and returned. Results of the completed evaluations are summarized below:

- 93% responded that the training subjects taught are appropriate to their work
- 93% responded that the BMPs/SOPs described match their work practices
- 89% responded that the training adequately described the relationship of BMPs/SOPs to compliance with the City's Stormwater NPDES permit
- 91% responded that the training adequately explained how they, City staff, can help the City maintain compliance with the Stormwater NPDES permit
- 95% responded that the training adequately explained a SWPPP.

A Corporation Yards' Pollution Prevention Team was formed in December 2004 to review and update Stormwater Pollution Prevention Plans (SWPPPs). The Main yard SWPPP was revised in FY 04-05. Using the new Main Yard SWPPP as a template, SWPPP revisions for three of the remaining five Corp Yards (Mabury, South, and West) have been drafted in FY 05-06 and are currently out for review and comment. The City anticipates completion of full revisions for all five remaining Corp Yard SWPPPs over the next fiscal year.

13.C MC Response to Water Board Comments

No comments received from Water Board on this Program Element.

13.D MC Summary Tables / Additional Information

Municipal Employee Training Summary for FY 05-06

PS ID #	DATE OF TRAINING	TOPIC	SPONSORED OR HELD BY	DIVISION/SECTION ATTENDING	# ATTENDED	TENTATIVE FY 06-07 SCHEDULE
ICID 3A & 3B IND 5B & 5C	10/1/05 — 10/2/05	WE Annual Training on ICID, CON procedures & Update on Database WE Annual Training on IND Procedures & Restaurant Program	ESD Watershed Enforcement	ESD Watershed Enforcement Inspectors	12	TBD
ICID 3A & 3B	2/27/06 — 3/1/06	Inspector Training Enforcement, Stormwater Controls, Technology, Pollution Prevention Case Studies, and Stormwater Program Developments	CWEA Pretreatment, Pollution Prevention and Stormwater Conference Program	ESD Watershed Enforcement Inspectors, ESD Source Control Inspectors, ESD Urban Runoff, ESD Watershed Investigations, ESD Engineering	5	TBD
ICID 3A & 3B	3/20/06	Interviewing For Regulators	Cal/EPA	ESD Watershed Enforcement Inspectors	4	TBD
ICID 3A & 3B IND 5B & 5C	9/13/06 — 9/23/06	Advanced Environmental Crimes Training	California Specialized Training Institute held at Federal Law Enforcement Training Center	ESD Watershed Enforcement Inspector	1	TBD
IND 5B & 5C	9/3/05 — 9/5/05	Industrial & Commercial Activities	California Stormwater Quality	ESD Watershed Enforcement Inspector	1	TBD

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PS ID #	DATE OF TRAINING	TOPIC	SPONSORED OR HELD BY	DIVISION/SECTION ATTENDING	# ATTENDED	TENTATIVE FY 06-07 SCHEDULE
			Association Conference			
IND 5B & 5C	9/20/05	Hazwop (Hazardous Waste Operations) Annual Refresher	Network Environmental Systems	ESD Watershed Enforcement Inspectors	1	TBD
IND 5B & 5C	10/20/05	Hazwop (Hazardous Waste Operations) Annual Refresher	Network Environmental Systems	ESD Watershed Enforcement Inspectors	3	TBD
IND 5B & 5C	11/4/05	Hazwop (Hazardous Waste Operations) Annual Refresher	Network Environmental Systems	ESD Watershed Enforcement Inspectors	3	TBD
IND 5B & 5C	12/6/05	Hazwop (Hazardous Waste Operations) Annual Refresher	Network Environmental Systems	ESD Watershed Enforcement Inspectors	1	TBD
IND 5B & 5C	3/14/06	Annual Training conference	California Hazardous Materials Investigation Association	ESD Watershed Enforcement Inspector	1	TBD
NRD 10A, 10B, & 10D	7/18-21/05	North American Surface Water Quality Conference & Exposition	StormCon	ESD	2	N/A
NRD 10A, 10B, & 10D	7/19/05	Central Concrete, Reed, and Graham	ESD Urban Runoff	ESD, PW, PBCE,	8	TBD
NRD 10A, 10B, & 10D	8/26/05	Developers' Industry Representatives Meeting	PW	ESD, DOT, PW	25	Once Every 8 weeks
NRD 10A, 10B, & 10D	9/28/05	Plan Review Training	ESD	PBCE, ESD	22	TBD
NRD 10A, 10B, & 10D	9/29/05	Educational Site Visit of Auto Dismantling Facility	ESD	ESD, PBCE	4	TBD
NRD 10A, 10B, & 10D	9/30/05	Developers' Industry Representatives Meeting	PW	ESD, DOT, PW	25	Once Every 8 weeks
NRD 10A, 10B, & 10D	10/6/05	Developers' Industry Representatives Meeting	PW	ESD, DOT, PW	25	Once Every 8 weeks
NRD 10A, 10B, & 10D	10/7/05	Vendor presentation by CDS Technologies on Inline Unit and Drop Inlet Unit products	ESD Urban Runoff	DOT, PBCE, PW, ESD	10	TBD
NRD 10A, 10B, & 10D	10/21/05	Stormwater Vendor Product Presentation	ESD Urban Runoff	DOT, PBCE, PRNS, PW, ESD	25	TBD
NRD 10A, 10B, & 10D	11/29/05	Stormwater 101 for Planners	PBCE	PBCE	25	TBD
NRD 10A, 10B, & 10D	12/1/05	Developers' Industry Representatives Meeting	PW	PW, ESD, DOT, PBCE	30	Once Every 8 weeks
NRD 10A, 10B, & 10D	12/7/05	How Creeks Affect Development, How Development Affects Creeks	WMI, Land Use Subgroup, ESD Urban Runoff, SCVURPPP	PBCE, ESD, PW	10	TBD
NRD 10A, 10B, & 10D	12/16/05	A Community Design Approach to Innovative Stormwater Management Workshop	UC Davis	ESD	1	TBD
NRD 10A, 10B, & 10D	1/24/06	Erosion and Sediment control Training for CIP Project Mangers	ESD	PW, CFAS, CMO, DOT, TDS, ESD	50	TBD

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NRD 10A, 10B, & 10D	2/7/06	CDS Site Tour	CDS Technologies Inc.	EDS, DOT, PBCE	7	TBD
NRD 10A, 10B, & 10D	2/9/06	Developers' Industry Representatives Meeting	PW	ESD, DOT, PW	20	Once Every 8 weeks
NRD 10A, 10B, & 10D	2/10/06	New and Redevelopment Stormwater Controls Training for Plan Checkers & Architects in PBCE	ESD Staff	PBCE	22	TBD
NRD 10A, 10B, & 10D	2/22/06	Vendor Presentation by Filterra	ESD Urban Runoff.	CFAS, DOT, ESD, PW	12	TBD
NRD 10A, 10B, & 10D	3/1/06	Public Works C.3 Meeting	ESD	DOT, PBCE, PW, ESD, CFAS	9	TBD
NRD 10A, 10B, & 10D	3/8/06	Post Construction Stormwater Pollution Control C.3 and HMP	EOA/ SCUVRPPP	CFAS, DOT, ESD, PW	20	TBD
NRD 10A, 10B, & 10D	3/27/06	101 HMP Course	EOA/ SCUVRPPP	DOT, PBCE, PW, ESD, CFAS	34	TBD
NRD 10A, 10B, & 10D	4/6/06	Developers' Industry Representatives Meeting	PW	DOT, PBCE, PW, ESD	30	TBD
NRD 10A, 10B, & 10D	4/27/06	Creeks & Rivers in San Jose	ESD-Biological Team	PBCE	25	TBD
NRD 10A, 10B, & 10D	5/3/06	Development and Water Resources: Making the Connection	WMI, Land Use Subgroup, ESD Urban Runoff	DOT, PBCE, PW, ESD	14	TBD
NRD 10A, 10B, & 10D	5/12/06	Stormwater Management for New Construction/Major Reconstruction	StormCon	DOT	1	TBD
NRD 10A, 10B, & 10D	5/12/06	User-Friendly Hydrograph Modification Management: A California Case Study	StormCon	ESD, PW, PBCE	5	TBD
NRD 10A, 10B, & 10D	5/19/06	Software Training on Bay Area Hydrology Model (BAHM)	EOA/ SCVURPPP	ESD, PW, PBCE	6	TBD
NRD 10A, 10B, & 10D	6/6/06	Constructing, Maintaining and Inspecting Stormwater Treatment BMP Workshop	SCVURPPP	DOT, PBCE, PRNS, PW, ESD	29	TBD
NRD 10A, 10B, & 10D	6/21/06	Vendor Presentation by Bio-Clean	ESD Urban Runoff	DOT, PBCE, PW, ESD	17	TBD
NRD 10A, 10B, & 10D	6/26/06	C.3 and HMP Rules and Regulations	ESD Urban Runoff	PRNS	5	TBD
NRD 10A, 10B, & 10D	6/27/06	Impervious Concrete Sample Project	ESD Urban Runoff	DOT, PBCE, PW, ESD, PRNS	20	TBD
CON 6C	10/12/05	Session 1: Erosion & Sediment Control Training for Building Inspectors	ESD Urban Runoff, ESD Watershed Enforcement, PBCE Building, PW Private	PBCE Building Inspectors	44	10/05

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PS ID #	DATE OF TRAINING	TOPIC	SPONSORED OR HELD BY	DIVISION/SECTION ATTENDING	# ATTENDED	TENTATIVE FY 06-07 SCHEDULE
			Development. PW City Facilities & Architectural Services			
CON 6C	10/12/05	Session 2: Erosion & Sediment Control Training for PW Private & Municipal Project Inspectors	ESD Urban Runoff, ESD Watershed Enforcement, PW Private Development. PW City Facilities & Architectural Services	PW Private Development Inspectors, PW Municipal Inspectors	12	10/05
CON 6C	10/13/05	Session 3: Erosion & Sediment Control Training for Building Inspectors	Runoff, ESD Watershed Enforcement, PBCE Building, PW Private Development, PW City Facilities & Architectural Services	PBCE Building Inspectors	34	10/05
CON 6C	10/13/05	Session 4: Erosion & Sediment Control Training for PW Private & Municipal Project Inspectors	ESD Urban Runoff, ESD Watershed Enforcement, PW Private Development. PW City Facilities & Architectural Services	PW Private Development Inspectors, PW Municipal Inspectors	18	10/05
CON 6C	12/8/05	Session 1: Construction Site Planning and Management For Compliance With Phase I and II NPDES Requirements 2005 Workshops	Water Board	PW City Facilities & Architectural Services, PW New Development, PW Airport,	31	TBD
CON 6C	12/9/05	Session 2: Construction Site Planning and Management For Compliance With Phase I and II NPDES Requirements 2005 Workshops	Water Board	PW City Facilities & Architectural Services, PW New Development, PW Airport,	16	TBD
CON 8A	1/24/06	Erosion & Sediment Control Training for CIP Project Managers	ESD & PW	PW – CIP Project Managers	52	12/05
PSR 6C	11/7/05	PRNS Rural Public Works BMP/SOP Training	ESD, PRNS	PRNS RPW facility staff	5	11/06
PSR 6C	11/9/05	PRNS Rural Public Works BMP/SOP Training	ESD, PRNS	PRNS RPW facility staff	11	11/06
PSR 6C	11/10/05	PRNS Rural Public Works BMP/SOP Training	ESD, PRNS	PRNS RPW facility staff	4	11/06
PSR 6C	11/14/05	PRNS Rural Public Works BMP/SOP Training	ESD, PRNS	PRNS RPW facility staff	9	11/06
PSR 6C	11/16/05	PRNS Rural Public Works BMP/SOP Training	ESD, PRNS	PRNS RPW facility staff	8	11/06
PSR 2A & SDO 3A	1/30/06	DOT Contract Manager Training	ESD, DOT, GS, PRNS	DOT, GS, PRNS contract managers	10	12/06
PSR 3B	2/28-3/1/06	CWEA Catch the Next Wave -33rd Annual Conference & Exhibition	CWEA	ESD	1	N/A
PSR 3E, SDO	5/15/06	DOT Crew Stormwater BMP/SOP	ESD	DOT – Field crews	23	05/07

PS ID #	DATE OF TRAINING	TOPIC	SPONSORED OR HELD BY	DIVISION/SECTION ATTENDING	# ATTENDED	TENTATIVE FY 06-07 SCHEDULE
4B, PM 4B, & MC 2C		Training				
PSR 3E, SDO 4B, PM 4B, & MC 2C	5/16/06	DOT Crew Stormwater BMP/SOP Training	ESD	DOT – Field crews	41	05/07
PSR 3E, SDO 4B, PM 4B, & MC 2C	5/17/06	DOT Crew Stormwater BMP/SOP Training	ESD	DOT – Field crews	33	05/07
PSR 3E, SDO 4B, PM 4B, & MC 2C	5/23/06	DOT Crew Stormwater BMP/SOP Training	ESD	DOT – Field crews	33	05/07
PSR 3E, SDO 4B, PM 4B, & MC 2C	5/25/06	DOT Crew Stormwater BMP/SOP Training	ESD	DOT – Field crews	22	05/07
PSR 3E, SDO 4B, PM 4B, & MC 2C	5/31/06	DOT Crew Stormwater BMP/SOP Training	ESD, DOT	DOT – Field crews	37	05/07
SDO 5A.1	9/21/05	DOT Storm Drain Inlet Cleaning Data Collection Training	DOT, ESD	DOT – Inlet Cleaning Crews	8	9/06
SDO 5A.1	9/22/05	DOT Storm Drain Inlet Cleaning Data Collection Training	DOT, ESD	DOT – Inlet Cleaning Crews	15	9/06
WUOM 3B	12/8/05	BMP Video on Hydrant Flushing	ESD (Muni Water)	Muni Water Operations & Maintenance	12	12/06
PM 4	10/12/05	County of Santa Clara IPM Program	ESD, County of Santa Clara	DOT, PRNS, ESD, GS	7	N/A
PM 4B	1/12/06	City of San José Pesticide Safety/IPM Policy Training	ESD,GS, DOT, Target Specialty Products, A-Pro Pest Control	PRNS, DOT, GSA	115	TBD
M 1.A.2	1/06 — 2/06	Article on Proper Collection, Handling and Disposal of City Generated Batteries	San José City Line Employee Newsletter January/February 2006 Edition	All San José City Employees	Approx. 6,000	TBD
M 1.A.2	2/6/06	Change in California Law Regarding Disposal of Universal Wastes in the Garbage	Email sent to all San José employees informing them of the change in the law and directing them to keep universal wastes out of the garbage and to properly dispose of them.	All San José City Employees	Approx. 6,000	TBD
M 1 A.2	4/18/06	Salt Pond Social Science Workshop	Salt Pond Restoration Project	ESD Urban Runoff & ESD Policy & Planning	3	TBD
MC 2A.1	2/10/06	Annual Training on Hazardous Materials, How to Collect A Sample, Who to Call If A Stormwater Problem Is Discovered, Where to Take	ESD Urban Runoff, ESD Watershed Inspection	Full time PRNS Park Rangers	12	TBD

PS ID #	DATE OF TRAINING	TOPIC	SPONSORED OR HELD BY	DIVISION/SECTION ATTENDING	# ATTENDED	TENTATIVE FY 06-07 SCHEDULE
		Fluorescent Bulbs, and Other General Universal Waste Questions				
MC 2A.1	3/28/06	General Stormwater BMPs, ICID Problems & Contacts, Grab Sampling, Universal Waste, Brief Overview of Rural Public Works Facilities, and Proper Disposal of Hazardous Materials	ESD Urban Runoff, ESD Watershed Inspection	Part time Rangers	11	TBD
MC 2C	6/8/06	Corporation Yard SWPPP Training	ESD, GS, PRNS	GS and PRNS trades staff	10	6/07
MC 2C	6/12/06	Corporation Yard SWPPP Training	ESD, GS, PRNS	GS and PRNS trades staff	24	6/07
MC 2C	6/13/06	Corporation Yard SWPPP Training	ESD, GS, PRNS	GS and PRNS trades staff	44	6/07
MC 2C	6/14/06	Corporation Yard SWPPP Training	ESD, GS, PRNS	GS and PRNS trades staff	20	6/07
MC 2A .1	6/16/06	Citywide Hazardous Materials Management Meeting	GS	ESD, GS, DOT, PRNS	15	TBD
MC 2C	6/19/06	Corporation Yard SWPPP Training	ESD, GS, PRNS	GS and PRNS trades staff	8	6/07
PIP 1	10/17/05 – 10/20/05	Fourth National Conference Non Point Source And Stormwater Pollution Education Programs	Chicago Botanic Garden & U. S. Environmental Protection Agency	ESD Urban Runoff	1	TBD

14. PIP: Public Information / Public Participation

14.A PIP Work Plan Self Evaluation Matrix

ITEM NO.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PIP 1	Public Awareness The City of San José will promote general citizen awareness of what a watershed is, the functions of the storm drain system, pathways and sources of urban runoff pollution to the South Bay watershed, and behaviors that adversely affect water quality.			
PIP 1.A	Participate in WMI Outreach, and coordinate WMI outreach with Watershed Watch and Program efforts.	Ongoing	Done FY 05-06 and ongoing. City staff supported coordination of WMI and Program messages in the Watershed Watch campaign through WE&O AHTG and attended WMI COS workgroup meetings to keep WMI staff informed of activities. In FY 05-06 the City reprinted the WMI's Watershed Images Survey. The City also developed and printed the <i>WMI Update</i> information sheet	ESD, WMI, Program
PIP 1.A .1	Participate in Watershed Watch campaign.	Ongoing	Done FY 05-06 and Ongoing. City staff assists with planning and implementation through WE&O AHTG. See Program Annual Report for complete campaign annual report. In FY 05-06 the City participated in the workgroup that updated the Campaign strategy.	ESD, Program
PIP 1.B	Identify, support and participate in appropriate community events to further general public awareness.	Ongoing	Done FY 05-06. See 14.D: <i>PIP Activities</i> .	ESD
PIP 1.B.1	Work with Watershed Watch Events work group.	Ongoing	Done FY 05-06. Watershed Watch events are discussed and coordinated through the WE&O AHTG. See Program Annual Report for details concerning Watershed Watch events.	ESD, Program
PIP 1.C	Give presentations upon request that focus on stormwater messages to elementary through college grade levels, neighborhood groups, etc.	As Needed	Done FY 05-06 and ongoing. See 14.D: <i>PIP Activities</i> .	ESD
PIP 2	Targeted Outreach The City of San José will develop and implement targeted residential outreach and education campaigns, based on high priority pollutants, to effectively reduce pollutant-causing behaviors and promote Best Management Practices.			
PIP 2.A	Identify general residential practices contributing to stormwater pollution. Identify reasonable alternatives to pollutant causing behavior.	N/A	Done FY 05-06. Addressing messages through the Watershed Watch Campaign.	ESD, Program
PIP 2.A.1	Review surveys and applicable reports.	Ongoing	Done FY 05-06 and ongoing. Target audiences have been based on Program survey and are documented in the Watershed Watch strategy. San José tailors its outreach to compliment Program and regional outreach	ESD

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ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
			efforts, which include periodic surveys to evaluate products and outcomes.	
PIP 2.A.2	Meet with inspectors to discuss and document residential outreach needs.	Ongoing	Done FY 05-06 and ongoing. Outreach staff attend monthly Inspectors' meeting. Outreach needs are identified and incorporated into work plans accordingly.	ESD
PIP 2.A.3	Prepare report identifying residential outreach needs and tasks.	Annually	Done FY 05-06. Outreach staff submits a report to Watershed Protection Management on projected outreach needs and recommendations.	ESD
PIP 2.B	Identify ICID practices and target audience(s) contributing to pollution.	N/A	Done FY 05-06. ICID Feedback cards are regularly distributed to complainants who provide contact information. How complainants hear about ICID services is also tracked. See 1.D: <i>Complainant Source Summary</i> .	ESD
PIP 2.B.1	Review ICID reports.	Ongoing	Done FY 05-06 and ongoing. 248 ICID Complaint feedback cards were distributed to complainants, and 82 were returned. 74% felt their complaint had been resolved, a 4% increase from last FY. 72% felt their complaint had been resolved in a timely manner, a 5% increase from last FY. 62% felt their complaint had been resolved to their satisfaction, a 1% increase from last FY. 76% rated the City's service as excellent or good, a 6% increase from last FY; and 24% rated it as fair or needs improvement, a 6% decrease from last FY. How complainants heard about ICID services is also tracked. See 1.D: <i>Complainant Source Summary</i> for details.	ESD
PIP 2.B.2	Meet with ICID inspectors to discuss and document outreach needs.	Ongoing	Done FY 05-06 and ongoing. Outreach staff attend monthly Inspectors' meeting. Outreach needs are identified and incorporated into work plans accordingly.	ESD
PIP 2.B.3	Prepare report identifying ICID outreach needs and tasks.	Annually	Done FY 05-06. Outreach staff submits a report on projected outreach needs and recommendations. Report findings incorporated into work plans accordingly.	ESD
PIP 2.C	Promote selected residential and ICID messages through local and regional activity (e.g. Program PIP, BASMAA PIP, BAPPG, Media Relations, etc.)			
PIP 2.C.1	Report on targeted residential and ICID outreach activity.	Annually	Done FY 05-06. See 14.D: <i>PIP Activities</i> .	ESD
PIP 2.C.2	Participate in the Program's Pesticide and Mercury ad hoc task groups.	Ongoing	Done FY 05-06 and ongoing. Staff participated in AHTG and collaborated with regional Household Hazardous Waste efforts that are focusing on Universal Waste requirements. See Program Annual Report for details.	ESD, Program
PIP 3	Educational Programs The City of San José will support and/or develop and implement educational programs designed to increase youth understanding and appreciation of the South Bay watershed.			
PIP 3.A.	Support, and/or develop and implement school and	N/A	Done FY 05-06 and ongoing. See 14.D: <i>FY 05-06 San</i>	

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ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
	youth education programs.		<i>José School Outreach</i> for details.	
PIP 3.A.1	Participate in WE&O Schools and Youth work group.	Ongoing	Done FY 05-06 and ongoing. Participated in developing schools work plan and activities for Urban Runoff Program and Watershed Watch campaign. City Staff participated in both WE&O Ad Hoc Task Group and Schools and Youth Work group meetings, and serve as Chair of both groups. Direct implementation takes place through the Urban Runoff Program staff and the Watershed Watch Contractor. Through the City's Youth Watershed Education Team (YWET) staff collaborated to update and promote City's middle school curriculum.	ESD, Program
PIP 3.A.2	Participate in the Alviso Education Center work group.	Ongoing	Done FY 05-06 and ongoing. City staff participated in work group meetings. Program Staff administered the SCVURPPP Ed Center Grant. See Program Annual Report for details.	ESD, Program
PIP 3.A.3	Participate in City Education programs such as the Youth Watershed Education Team, Rangers in Schools, etc.	Ongoing	Done FY 05-06 and ongoing. See 14.D: <i>PIP Activities</i> .	ESD
PIP 4	Citizen Participation The City of San José will support and/or develop and implement citizen involvement programs designed to increase citizen understanding and appreciation of the South Bay watershed.			
PIP 4.A	Support and/or develop involvement opportunities for San José residents			
PIP 4.A.1	Participate in creek Clean-ups on a bi-annual basis through in-kind staff support for the Creek Connections Action Group.	N/A	Done FY 05-06. Coordinated internally with PRNS and Friends of Coyote Creek; externally with Creek Connections Action Group.	ESD, PRNS
PIP 4.A.1.a	Fall creek Clean-up.	Annually, Q1	Done FY 05-06. See 14.D: <i>PIP Activities</i> .	ESD, PRNS
PIP 4.A.1.b	Spring creek Clean-up.	Annually, Q4	Done FY 05-06. See 14.D: <i>PIP Activities</i> .	ESD, PRNS
PIP 5	Outreach Evaluation The City of San José will evaluate its Outreach efforts for effectiveness.			
PIP 5.A	Implement selected evaluation tools.	N/A	See 14.B: <i>PIP Program Evaluation</i> .	ESD
PIP 5.A.1	Work with Program, WMI, and Watershed Watch AHTG to Plan for Program's Watershed watch campaign follow-up survey.	Triennially FY 06/07	Not scheduled for FY 05-06.	ESD, Program
PIP 5.A.2	Report on survey and evaluation activity during the report period	Annually	In March 2006 the Program conducted a set of two focus groups in order to elicit feedback regarding the Watershed Watch campaign. See Program Annual Report for details. See 14.B <i>PIP Program Evaluation</i> and 14.D: <i>PIP Activities</i> for city evaluation activities	ESD
PIP 4.B	Annually review, modify and report on outreach plans based on effectiveness results.	n/a	Done FY 05-06. Work plans are evaluated and modified as needed based on evaluation results.	ESD

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PIP 4.B 1	Produce written report on effectiveness of outreach activities conducted in prior fiscal year.	Annually	Done FY 05-06. See 14.D: <i>PIP Activities</i> .	ESD

14.B PIP Program Evaluation

San Jose's outreach strategy is implemented on three levels: Local, County-wide, and Bay Area-wide (Regional).

Local target audiences are based on survey and focus group work conducted by the City and the Program. Local outreach is conducted to address time-constrained and/or local (San José only) issues. Local strategies and tactics are documented in the Outreach Strategies submitted annually to the City's budget office. When possible, San José tailors its local outreach to compliment/coordinate with Program (countywide) and regional outreach efforts. Short-term tactic and strategy success is evaluated case-by-case using a variety of mechanisms. Public opinion surveys evaluate long-term outcomes in attitudes and behavior.

Countywide target audiences are based on Program survey and focus group work conducted through the Program and, when appropriate, the City. The City's Countywide outreach delivers stormwater and watershed messages to residential and business audiences in the Santa Clara Basin. Strategies and tactics are documented in the Watershed Watch strategy. The City advocates for and facilitates coordination of Countywide outreach with Regional outreach workgroups. Short-term tactic and strategy success is evaluated case-by-case using a variety of mechanisms. Public opinion surveys evaluate long-term outcomes in attitudes and behavior.

Regional target audiences, messages, and projects are identified through a variety of processes conducted by the various regional workgroups. San Jose's regional audiences are specific subsets of the general business and residential audiences that occur in San José, but may also be universal in the Bay area, and are targeted for messages about specific behaviors or awareness related to stormwater and watershed messages (e.g. Pest Control Operators for IPM messages; restaurants for Fats, Oils and Grease (FOG)). Strategies and tactics for these audiences are proposed and implemented through the Regional workgroups. Strategies and tactics finally selected through these processes are documented in the workplans of the various groups. Short-term tactic and strategy success is evaluated and reported case-by-case using a variety of mechanisms (e.g. the Regional Media Relations workgroup's measures). For some projects (e.g. OWOW, Regional Ad Campaign) public opinion surveys evaluate long-term outcomes in attitudes and behavior.

FY 05-06 marked the fourth and final year the City contracted with the San José Conservation Corps to stencil storm drain inlets with a creek-specific "No Dumping" message and a phone number to report incidents. Storm drain stencils are placed in locations that are highly visible to residents. Including the neighborhood creek name in the stencil gives residents specific information about how their actions tie in to the local environment. The City is currently evaluating its storm drain inlet marking activities and exploring alternatives and strategies to keep the City's 28,000+ inlets marked in an efficient and cost-effective manner.

FY 05-06's targeted efforts focused on proper disposal of universal wastes, Integrated Pest Management (IPM), construction-generated pollutants, trash, and general pollution prevention. At the local level, San José has been able to successfully direct a variety of messages to a wide array of audiences through targeted events, training workshops, direct mailing, published articles, and collaborative efforts at the regional level. Targeted outreach typically is more difficult to implement at the Program-wide level, primarily because of prioritization and staffing constraints. The Program's targeted outreach focus has been on readying the co-permittees' staff for implementation of post-construction stormwater treatment and hydromodification measures. For FOG, San José added a grease trap/interceptor tracking log form to the restaurant package, and continued distribution of the package in FY 05-06. Targeted outreach supplements tasks done in other elements of the URMP, such as Illicit Connection/Illegal Dumping, the Industrial/Commercial Dischargers, Construction Inspection, Pesticide Management, Mercury, and the Copper and Nickel Action Plans.

Citizen Participation activities are a potent method for getting residents out into the Watershed and engendering stewardship. The City participated in three Clean-up events, as well as a Bike to Work Day, designed to promote participation and stewardship in the citizens of San José. At the Coastal Clean-Up Day event one student volunteer at San Jose High commented that he did not even realize there was a creek right behind the school. By the end of the event he expressed disgust at the amount of trash found on the banks and around access points. He was a repeat volunteer at the May clean-up, and commented on how there was less trash that time, but there was still trash. Tying Clean-up days to pre-existing events such as Coastal Clean-up Day and the Great American Pick-up is a good way to maximize promotion. Advertising paid for by regional entities is useful for raising awareness locally. The City's Urban Runoff Program continued working with the Anti-Litter Program in FY 05-06 to tie watershed objectives in with existing successful efforts.

Education continues to be a vital component of San José's pollution prevention plan. The City actively contributes to education both as a City and through the Program. San José commits significant resources to youth education with the goal of instilling a sense of stewardship for the environment. San José employs both in-class education and train-the-trainer approaches to outreach. In-class presentations are more expensive per student reached, but lend themselves better to evaluation. The City's Water Awareness Program reached 224 students in the targeted grades of fifth, sixth, and seventh, a minor decrease from last year's 293. The City is currently evaluating methods to increase the reach of this effort, and plans on instituting changes to the program in FY 05-06 and beyond. The City's train-the-trainer tactics have the potential to reach many more students, but it is extremely difficult to measure the effectiveness of this potential. Youth Watershed Education Grants provide funding for groups and educators to implement their own programs, which in turn accomplish the City's education goals.

This fiscal year the City is including website visits and downloads in with the Section 14.D.: *Outreach Materials Distributed*. The City's web tracking software is sufficiently detailed enough to track visits on particular pages, allowing for this reporting. The web offers an alternative to printed materials for disseminating information, giving the City another method for reaching audiences.

14.C PIP Response to Water Board Comments

No comments received from Water Board on this Program Element.

14.D PIP Summary Tables / Additional Information

PIP Activities Table

Outreach Type:

○ = General Outreach

⊙ = Targeted Outreach

✋ = Citizen Involvement

✍ = Education

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
Att. A.1	Storm Sewer Stenciling	○	FY 05-06 The San Jose Conservation Corps stenciled approximately 4,400 storm drain inlets throughout the City with No Dumping Flows to Neighborhood Creek and the 945-3000 Hotline Number.	This was the fourth and final year of a 4-year contract to re-stencil all the public right-of-way storm drain inlets in the City of San José. Approximately 28,440 inlets were completed during the four years. Storm drain stencils are placed in locations that are highly visible to residents. Including the neighborhood creek name gives residents specific information about how their actions tie in to the local environment. In FY 05-06 the City evaluated it's inlet marking method, looking for the most durable, non-damaging and cost-effective method to mark our inlets. This evaluation will be considered in deciding future stenciling in San Jose.
PM 6.A PIP 1.A.1 PIP 2.C PM 6.A Program	Watershed Watch sign at Happy Hollow Park and Zoo	○	Interpretive Sign, installed in FY 03-04, features a photo montage of beneficial uses of creeks and the Bay, along with four pollution-prevention messages: keep your car tuned to avoid oil leaks, avoid pesticide use, especially before rains, proper disposal of household hazardous wastes,	In FY 05-06, 316,230 visitors attended Happy Hollow Park and Zoo. The sign is located at the bottom of the entrance walkway into the Zoo. Every visitor to the zoo passes by the sign entering and leaving.

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ITEM NO.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
			and no dumping into storm drains.	
PIP 1 PIP 2.C. PM 6.A. PM 6.E. M 2.B.	Water Awareness web page	○	ESD web page highlighting several water issues, including pollution prevention, storm drain vs. sanitary sewer, IPM, household hazardous waste, automotive fluids, Anti-Litter Program, etc. Links to watershedwatch.net and the County's Household Hazardous Waste program included.	The Water Awareness web page is updated with seasonally pertinent information about a variety of water-related issues. A total of 1,259 visits (up from 473 in FY 04-05) and 1,346 views (up from 506) were recorded on the City's Water Awareness web page in FY 05-06.
PIP 1	Celebration in the Park at San Tomas Park (Council District 1)	○	September 17, 2005. Free council district event with entertainment and community resources.	Distributed pollution prevention information at community resource booth. Estimated 800 residents attended.
PIP 1	Community Festival (Council District 2)	○	September 17, 2005. Free council district event with entertainment and community resources.	Distributed pollution prevention information at community resource booth. Estimated 5,000 residents attended.
PIP 1.A.1 PIP 1.B. Att. A.3	Harvest Festival at Prusch Park Farm	○	October 1, 2005. Watershed Watch booth with games and Pollution Prevention information.	See Program Annual Report for details.
PIP 1	Day in the Park Multicultural Festival at Lake Cunningham Park (Council District 8)	○	October 1, 2005. Free council district event with entertainment and community resources.	Distributed pollution prevention information at community resource booth. Estimated 6,000 residents attended.
PIP 1.A.1 PIP 1.B. Att. A.3	Pumpkins in the Park at Discovery Meadow	○	October 8, 2005. Watershed Watch booth with games and Pollution Prevention information. San José re-entered it's Scarecrow with Anti-Litter messages. The Scarecrow won Second Prize in the contest this year.	See Program Annual Report for details.
PIP 1.B PIP 1.C PIP 3.A.3	Martin Luther King Library Resource Fair	○	March 17, 2006. Watershed protection and Urban Runoff messages were incorporated into the Slow the Flow Coordinator's presentation at this event.	Approximately 100 people visited the display.
PIP 1.B. Att. A.3	Spring in Guadalupe Gardens	○	April 22, 2006. City of San Jose table with information on how to "green" your home, HHW, Recycle Plus, Watershed Management, South Bay Water Recycling, energy conservation, water conservation, green construction practices, waste water treatment, green business, and home composting.	Good event to interact with residents. Information on Household Hazardous Waste was the hot topic.
PIP 1.B M.5.A M 5.C Att. A.3	American Community Resource Fair	○	April 30, 2006 at the Willow Glen chapter of the American Legion. Information-sharing with local residents.	Approximately 75 residents attended. Distributed literature on household hazardous waste disposal, pool & spa maintenance, universal waste disposal, and home maintenance tips.
PIP 1.B M 5.C	Safe Medicine Disposal Days	○	May 15, 18, 20, 2006. Take-back event for old and/or expired medications. Partnered internally	Approximately 330 participants dropped off over 825 lbs of medications and 20 mercury thermometers over the course of

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ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
Att. A.3			with Council member LeZotte's office and the San José Police Department; and externally with Walgreens and Kaiser Permanente.	three events. All of the participants were positive and happy to be able to participate in this event. Data collected from these events and the other Bay Area events will be analyzed for future events or programs planning.
PIP 1	Community Resource Fair at City Hall Plaza	○	June 11, 2006 at City Hall Plaza. Information-sharing with local residents.	Approximately 7,000 people attended. Distributed literature on household hazardous waste disposal and general pollution prevention.
PIP 1	"Don't Trash California" PSAs on Civic Center Channel 26/26A	○	City cable channel 26/26A ran Don't Trash California PSAs in Spring and summer of 2006	Obtained PSA from CalTrans. PSAs aired an estimated 20 times.
Att. A.21	Website Revisions	○	After reviewing the current Watershed Protection website, Staff decided a major overhaul of the entire website was needed, above and beyond the revisions called for in the FY 05-06 work plan. ESD Staff have identified goals and objectives for the website, and are building the website around them. The overhaul started in FY 05-06, and will continue into FY 06-07.	Held a usability focus group of businesses to gather information for the Watershed Protection web content targeted at businesses. Results of that focus group used to build the page's site map and populate it with information.
PIP 1	New City Hall Grand Opening	○	August 27, 2005 for Employees and October 12' 2005 for the public. Event to showcase the New San José City Hall.	Poster session included a "Clean & Green San José" display with trash management, pollution prevention, citizen participation, difference between storm and sanitary sewers, street sweeping, and other watershed messages. Approximately 1,500 people attended the Employee event. No data on the Public event.
Overall Evaluation of General Outreach Activities		○	San Jose's General Outreach focused on community events and the City's website. Both were used to disseminate information to the public. Downloads from the City's website increased dramatically this fiscal year compared to last. The City continues to reach out to the general public at selected community events the Watershed Watch Campaign does not attend. These events are good venues to reach San Jose citizens, providing more extensive outreach to residents.	
IND 6	Storm Sewer Stenciling	⊙: Commercial	City staff provided approximately 69 stencils to 28 developers and 11 private businesses for stenciling approximately 440 storm drain inlets. In addition, 178 English, 53 Spanish, 20 Vietnamese "No Dumping! Flows To Bay" stencils were distributed to commercial and industrial businesses.	Storm drain stencils are placed in locations that are highly visible to residents and customers of businesses. Including the neighborhood creek name gives residents and customers specific information about how their actions tie in to the local environment. Developers are required as a condition of the permitting process to stencil all storm drains inlets on a development. ESD inspectors give out "No Dumping! Flows To Bay" stencils to commercial, industrial businesses so that they can stencil storm drain inlets on their properties.
PIP 1 PIP 2.C M 2.B M 5.A	Curbside Courier web page and newsletter	⊙: Residential	Web page and newsletter focused on solid waste issues. Newsletter mailed to city recycling customers. Fall 2005 issue's feature article was on proper disposal of universal waste. A sidebar article focused on street sweeping. Spring 2006	Courier published twice a year as a Recycle Plus utility bill insert. The Curbside Courier reaches approximately 185,000 single-family households. Additionally, the Curbside Courier was published online.





ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
CB-11			issue's feature article was also on Universal Waste – new rules for disposal of toxic technologies. Included info on proper disposal of e-waste and u-waste.	
IND 6 CB-1.B. Att. A.2	Mobile Surface Cleaner Training Workshops	⊙: Commercial	Training available upon request.	Training available upon request. Companies requesting training are first referred to BASMAA's online training, and offered live training if online version does not meet their needs.
PM 6.A. PM 6.F. M 2.B M 5.A PIP 1.A.1 PIP 2.C Att. A.6	Home and Garden Show	⊙: Home owners	May 5-7, 2006. San José provided booth space. Booth staffed by SCVURPPP staff, co-permittees, and San José staff. Provided IPM and Household Hazardous Waste information.	Co-permittee staff thought the Home Show was a good place to present messages and materials. See Program Annual Report for details
PM 6.A. PM 6.F. PIP 1.A.1 PIP 2.C Att. A.6	Orchard Supply Hardware's How-to Fair	⊙: Home owners	May 20-21, 2006. Booth focused on Our Water Our World outreach, and was staffed by SCVURPPP staff and co-permittees. Provided IPM and Household Hazardous Waste information.	Co-permittee staff thought the How-to Fair was a better venue than the Home and Garden Show for presenting messages and materials. See Program report for details.
IND 6.A. PM 6.A. M 5.B CB-3.D. PIP 1.A. Att. A.7	Industrial Users Academy	⊙: Industrial	April 19-20, 2006. Two half-day training sessions for permitted industries in the San Jose/Santa Clara Water Pollution Control Plant tributary area. Stormwater issues discussed include: facility inspections, GIASP/NOI requirements, IPM, Mercury, Trash, and General NPDES information.	32 attendees . 25 submitted evaluations. 100% agreed or strongly agreed that the workshop was useful. 76% indicated an increase in knowledge of NOI requirements. 84% indicated an increase in knowledge of pollution prevention.
PIP 1.B.	Green Business Workshop	⊙: Businesses	March 17, 2006. Workshop for existing and potential Green Businesses, talking about the Green Business program and pollution prevention BMPs.	65 attendees. <i>Preventing Storm Drain Pollution</i> and Green Business brochures distributed. Attendees responded positively to the information presented. The workshop received a small mention in the <i>San Jose Business Journal</i> published the week of 3/27/06.
IND 6 CB-1.B.1	Tributary Tribune	⊙: Industrial	Newsletter published for permitted industrial dischargers in the Water Pollution Control Plant tributary area. The Winter 2005 Tribune contained an article on how surface cleaning affects the Bay, and strongly encouraged businesses to hire contractors that have taken the BASMAA surface cleaning training. That issue also featured a reminder for businesses to stencil their storm drains, with contact info on how to obtain free	The Tributary Tribune was distributed three times in FY 05-06. It goes to every permitted industrial discharger in the San Jose/Santa Clara Water Pollution Control Plant tributary area (approximately 330). FY 05-06's Tributary Tribune web pages generated 507 views, triple what they generated in FY 04-05.


ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
			stencils.	
IND 6 ICID 4 CB-3.A	Roof Vent BMP for metal finishers and printed circuit board facilities	☉: Metal Finishers and PCB Manufacturers	Distributed Roof Vent BMP along with a contact letter informing select businesses that their roofs may also be inspected as part of their scheduled stormwater inspection.	Cover letter and roof vent BMP fact sheet sent to 115 facilities. Inspections of select facilities started in Spring 2005 and continued through December 2005. This program is evaluated in Section 10.B.: <i>CNAP Program Evaluation</i> .
PIP 2.A CB 11 TRA 6	The Guide to Garbage and Recycling in San José	☉: Residential	Booklet with recycling information for residents. Also included information on Electronic Waste, Universal Waste, Street Sweeping, leaking vehicles, Anti-Litter Program, and general Storm Drain Pollution Prevention tips.	Guide distributed to approximately 109,000 single-family and multi-family households. This represents one-third of the City's residential population. The second third will be mailed in December 2006, and the final third will be mailed in December 2007. The booklet is also available online for viewing and downloading.
CON 7.C. Att. A.8	Conduct outreach sessions to development community	☉: Developers	September 14, 2005. Department of Public Works & ESD staff conducted training on erosion and sediment control for private developers of type 2 projects.	11 private developers of type 2 projects attended. Four topics were covered: overview of City's Stormwater NPDES Permit, overview of erosion and sediment control requirements in the City, discussion of Lessons Learned, and the City's Watershed Enforcement Procedures were reviewed. 10 evaluation forms submitted. 9 rated training as good or excellent. and a worthwhile investment of time.
CON 7.C. Att. A.8	Conduct outreach sessions to development community	☉: Developers	May 3, 2006. Pre-construction meeting for Los Gatos Creek Trail Reach 4 Lincoln/Auzerais Project. Department of Public Works & ESD staff conducted training on erosion and sediment control for private developers	20 attendees from City staff, Santa Clara Valley Water District, CalTrans, PG&E, 3 developers, 1 consultant, 1 general contractor, and 6 subcontractors. Topics of note covered: Permitting, Construction Inspections, Stormwater Pollution Prevention. Distributed Construction BMPs.
CON 7.C. Att. A.8	Conduct outreach sessions to development community	☉: Developers	June 22, 2006. Pre-construction meeting for Greater Gardner St. Reconstruction – W. Virginia Street Project.	11 attendees. Distributed Construction BMPs.
CON 7.C. Att. A.8	Conduct outreach sessions to development community	☉: Developers	June 26, 2006. Pre-construction meeting for Union Avenue Project.	9 attendees. Distributed Construction BMPs.
CON 7.C. Att. A.8	Conduct outreach sessions to development community	☉: Developers	June 27, 2006. Pre-construction meeting for Holly Hills Drive Project.	6 attendees. Distributed Construction BMPs.
PM 6.A PM 6.D PIP 2.C Att. A.13	Create and provide fact sheets and materials to pesticide retailers to facilitate point-of-purchase outreach to support IPM Store Partnership Program	☉	There are nine stores in San José participating in the IPM store partnership. This work is done at the Program level. See the Program Annual Report for details.	This work is done at the Program level. See the Program Annual Report for details.
PM 6.A PM 6.D PIP 2.C	OWOW Fleas fact sheets at Animal Services Center	☉: Pet owners	Started in April 2006. The OWOW Fact sheet for Fleas, in both English and Spanish, is available in the Animal Services Center's literature racks.	Center estimates 300 pet adoptions per month.

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
			Additionally, a fact sheet is placed in every adoption package for pets adopted from the center.	
PIP 1 PIP 2.C Att. A.3	Drive In – Trash Out	⊙: Students	April 20, 2006. Event sponsored by CalTrans' "Don't Trash California" campaign and San Jose City College. Volunteers cleaned out cars and educated drivers about the impacts of trash. In-car trash bags and 'Don't Trash California' air fresheners were given to participants.	52 cars came through the event, 123 students came to event booth, and 213 students came to the booth on campus. San José provided brochures on the City's Anti-Litter Program and P2, emphasizing the impacts of trash on creeks. Mayor Gonzales came and helped clean cars out, and KTVU-TV came out and did a story on the event.
PM 6.A PM 6.B. M 5 PIP 1 PIP 2.C Att. A.2	Regional Media Relations	⊙	Concepts pitched include: First rains/first flush, information on the draft TMDL released by the Water Board, Tips for seeking the services of a pest control operator, and the use of pesticides. Media Relations began the process of working with meteorologists to incorporate water pollution prevention messages into their broadcasts. Placements include media outlets that serve San Jose residents, including the San José Mercury News, the Associated Press, KRON-TV, KTVU-TV, KGO-TV, and other local-serving print, web and radio outlets.	Regional partnership and coordination of media relations allows cities to pool their messages and resources into one consistent effort. Overall, 37 articles and broadcast stories were covered by the media in FY 05-06, including 14 print articles, 6 television, 12 radio stories, and 5 web stories.. See Regional Media Relations Campaign Final Report for full details.
PIP 2.C PM 6.A. PM 6.B. PM 6.D Att. A.9 Att. A.13	Pesticide Article published in BOMA Byline Newsletter	⊙: Facilities Managers	June 2006. The OWOW fact sheet <i>Finding a Company that can Help Prevent Pest Problems</i> was modified to address a commercial audience, and had it published in the <i>BOMA Byline</i> Newsletter. The article explains the link between pesticide application and water quality impacts and offers approaches that building owners and managers can use to effectively find and/or influence a company to use less-toxic chemical pest controls in their buildings through integrated pest management practices.	The Building Operators and Managers Association Silicon Valley chapter publishes the <i>BOMA Byline</i> monthly. The <i>BOMA Byline</i> serves the counties of Santa Clara, Santa Cruz, San Benito, Monterey and San Luis Obispo.
PIP 2.C M.5 Att. A.11	Mercury Outreach	⊙	San José and Program staff assisted County with Mercury-related outreach for the County's Universal Waste grant activities. City staff also distributed the County's 2 mercury/universal waste brochures in City literature racks and at City events.	See Program Annual Report for details.
Att. A.5	Watershed Enforcement Program Brochure	⊙: Commercial/ Industrial	Develop a new brochure explaining the purpose and goals of the City's Watershed Enforcement Program.	Late in the Fiscal Year the City's Watershed Enforcement Program projected changes to it's tasks and target businesses. Therefore this brochure was put on hold until all changes are implemented, so that it will better represent the WE Program.

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
Overall Evaluation of Targeted Outreach activities		☉	FY 05-06's targeted efforts focused on proper disposal of universal wastes, as well as IPM, construction-generated pollutants, trash, and general pollution prevention. At the local level San José has been able to successfully direct a variety of messages to a wide array of audiences through targeted events, training workshops, direct mailing, published articles, and collaborative efforts at the Regional level. Targeted outreach typically is more difficult to implement at the Program-wide level, primarily because of prioritization and staffing constraints. The Program's targeted outreach focus has been on readying the co-permittees' staff for implementation of post-construction stormwater treatment and hydromodification measures. For FOGs, San José added a grease trap/interceptor tracking log form to the restaurant package, and continued distribution of the package in 05-06. Targeted outreach supplements tasks done in other elements of the URMP, such as Illicit Connection/Illegal Dumping, the Industrial/Commercial Dischargers, Construction Inspection, Pesticide Management, Mercury, and the Copper and Nickel Action Plans.	
PIP 4.A.1.a Att. A.14	Coastal Clean-up Day	✋	September 17, 2005. Promoted event in the ESD newsletter and on the City web site.	808 volunteers at 26 sites. Over 16,000 pounds of trash and 3,000 pounds of recyclables removed. 13 out of 26 clean-up sites in San José. Volunteers surveyed after the event. See the Santa Clara Valley Water District's Annual Report for details.
PIP 1.B PIP 2.C PIP 4.A	Great American Pick Up	✋	April 8, 2006. ESD, PRNS, DOT, City Manager's Office, Mayor's Office, SJPD, City Attorney's Office planned & coordinated event in San José.	10 clean-up sites, 1 per Council District. 342 volunteers picked up 346 bags of litter. Poor weather leading up to the event limited participation.
PIP 4.A.1.b Att. A.15	National Rivers Clean-up Day	✋	May 20, 2006. Promoted event in the ESD newsletter and on the City web site.	682 volunteers at 28 sites. Over 15,000 pounds of trash and 1,400 pounds of recyclables removed. 17 out of 28 clean-up sites in the County in San José. Volunteers surveyed after the event. See the Santa Clara Valley Water District's Annual Report for details.
PIP 1.B PIP 4.A	National Bike to Work Day (BTWD)	✋	May 18, 2006. City hosted one "energizer station" with drinks, promotional items and information to give out to bikers.	An estimated 300 people rode by or stopped at the City's energizer station, an increase from last year's event., despite operating fewer energizer stations. Throughout Santa Clara County, nearly 6,000 bicyclists were counted at about 50 Energizer Stations, and only a portion of all bicyclists stop at Energizer Stations. The Countywide estimate for all bike commuters on BTWD is 15,000-20,000. Throughout the nine-county Bay Area, about 15,000 bicyclists were counted at 177 Energizer Stations, and an estimated 50,000 bicyclists rode that day. Both stormwater and air quality benefit from the reduced number of cars on the road. Encouraging people to use alternative modes of transportation highlights this benefit and encourages public participation.
PIP 4.A Att. A.10	Anti-Litter Program	✋	The purpose of the Anti-Litter Program (ALP) is to further beautify San José by preventing graffiti and litter through community involvement, eradication, and enforcement. ALP provides free clean-up supplies to volunteers, designates litter hot spots for adoption, does school outreach with	In FY 05-06, the ALP has 2,815 Pick Up San José volunteers on the rolls. As of June 2006, 136 of the 150 Litter Hot Spots have been adopted. 12 schools received "All-star Stan" presentations. Since it's inception in 2002, participants in the program have removed 30,548,830 pounds of litter.

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
			anti-litter messages, and hosts special clean-up events like the Great American Pick-up.	
PIP 4.A Att. A.10	Adopt-a-Park and Adopt-a-Trail		Adopt-A-Park is citywide volunteer program that recruits and trains residents to assist in the general care and maintenance of neighborhood trails, neighborhood/regional parks, and open spaces in San José.	226 of the City's 232 parks have been adopted by one or more groups. Adopt-a-Trail is a new program, and data is pending.
Overall Evaluation of Citizen Participation Outreach Activities			Citizen Participation activities are a potent method for getting residents out into the Watershed and engendering stewardship. The City participated in three Clean-up events, as well as a Bike to Work Day, designed to promote participation and stewardship in the citizens of San José. At the Coastal Clean-Up Day event one student volunteer at San Jose High commented that he didn't even realize there was a creek right behind the school. By the end of the event he expressed disgust at the amount of trash found on the banks and around access points. He was a repeat volunteer at the May clean-up, and commented on how there was less trash that time, but there was still trash. Tying Clean-up days to pre-existing events such as Coastal Clean-up Day and the Great American Pick-up is a good way to maximize promotion. Advertising paid for by regional entities is useful for raising awareness locally. The City's Urban Runoff Program continued working with the Anti-Litter Program in FY 05-06 to tie watershed objectives in with existing successful efforts.	
PIP 3.A.3 Att. A.20	Youth Watershed Education Grants (YWEG)		12 Grants awarded in FY 05-06 cycle. Seven schools and five non-profits received grants. A total of \$40,422 was given in grants ranging from \$800 to \$5,000 each.	This year's cycle saw similar demand for funds and number of proposals as last FY's. In FY 05-06 the City hosted a kick-off training and networking meeting for all grantees to give them an opportunity to meet and share ideas and resources, to hear from a past grantee, and to receive guidance on reporting and evaluation. Grant Projects are ongoing, and will be evaluated at the end of the grant cycle.
PIP 1.C PIP 3.A Att. A.17	Wacky Watersheds Workshops		October 8, November 5 & 12, 2005, February 11, and March 14, 2006. Presented South Bay Water Connections curriculum to middle school educators within San Jose/Santa Clara Water Pollution Control Plant service area. The educators were also given a tour of the Don Edwards San Francisco Bay National Wildlife Refuge at all but the March workshop.	8 participants at October's workshop at Resource Area for Teachers (RAFT). 8 submitted evaluations. All rated the workshop's materials as good or excellent. 10 participants at November's 2-day workshop at UCSC Extension. 7 participants at February's workshop at the Alviso Ed Center for YWEG Grant recipients. 15 participants at March's workshop at the Children's Discovery Museum. 9 submitted evaluations, all rated the workshop's materials as Excellent or Good.
PIP 1.B PIP 1.C PIP 3.A.3 Att. A.18	Water Awareness Program		Presentations focusing on Pollution Prevention. <i>It's Wet It's Wild It's Water!</i> Curriculum distributed to teachers. See 14.D: <i>FY 05-06 San José School Outreach</i> for details.	548 people reached 224 students in targeted grades 5-7 reached. 4 survey forms returned. All rated the program as Excellent or Good.
PIP 1.B PIP 1.C	Slow the Flow		Grant to Don Edwards Alviso Environmental Education Center to host 9 different types of events: special events, interpretive programs,	This program reached an estimated 10,871 students and adults in the SJ/SC WPCP Tributary area in 05-06. This was accomplished through field trips, weekend programs, special

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
PIP 3.A.3 Att. A.19			teacher orientation, field trips, in-class presentations, outreach presentations, workshops, special visits and interpretive displays.	events, outreach events, and classroom presentations. Additionally, visitors can view the interpretive displays at the Environmental Education Center. From a presentation standpoint, the program continues to get very high evaluations from both teachers and students. Almost 40% of those attending are repeat customers. From a content standpoint between 93 and 100% of those questioned in exit exams recalled key messages of the presentations
PIP 1.B PIP 1.C PIP 3.A.3	NASA/Ames Jason Project Event		January 30 — February 4, 2006. Watershed protection and Urban Runoff messages were incorporated into the elaborate game that the Slow the Flow Coordinator presented at the week-long Jason Event at NASA Ames Research Center.	Over the week approximately 840 people participated in the game, which took students and parents through an elaborate maze of items which stand in the way of a clean South Bay Watershed.
PIP 3.A.3	YWEG Grantee Training		February 9, 2006. Grant cycle kick-off training and networking meeting for all the Grantees.	The City reinstated this session for grantees, to give them an opportunity to meet and share ideas and resources, to hear from a past grantee, and to learn and ask questions about reporting and evaluating. Grantees anecdotally said the meeting was well worth their time.
PIP 1.B PIP 1.C PIP 3.A.3	Briarwood Elementary School Science Fair		March 14, 2006. Watershed protection and Urban Runoff messages were incorporated into the discussion by the Slow the Flow Coordinator at this school event	Approximately 150 parents and students visited the booth.
PIP 1.B PIP 1.C PIP 3.A.	Water Wizard Festival		May 26, 2006. Water education festival for 3 rd graders. The purpose of the festival was to increase the awareness of the importance of water and promote stewardship of water as a resource. ESD taught 3 activities related to the City's mission concerning water and watershed issues. The messages taught were: Pollution Prevention Difference between Storm and Sanitary Sewer Systems Value of Recycled Water Value of the Treatment Plant Importance of Soil & the Value of composting	300 students from 3 San José public schools. Pre- and post-testing of each student showed knowledge increases in all areas: Up 17% in knowing that the water we use at home affects our rivers. Up 7% in knowing Polluted water is not good to drink. Up 2% in knowing all living things need water. Up 39% in knowing that we live in a watershed.

ITEM No.	ACTIVITY	OUTREACH TYPE	FY 05-06 STATUS	EVALUATION
	Overall Evaluation of Education Outreach Activities		<p>Education continues to be a vital component of San Jose's pollution prevention plan. The City actively contributes to education both as a City and through the Program. San José commits significant resources to youth education with the goal of instilling a sense of stewardship for the environment. San José employs both in-class education and train-the-trainer approaches to Outreach. In-class presentations are more expensive per student reached, but lend themselves better to evaluation. Train-the-trainer has the potential to reach many more students, but it is extremely difficult to measure the effectiveness of this potential. Youth Watershed Education Grants provide funding for groups and educators to implement their own programs that accomplish the City's education goals.</p> <p>The City's Youth Watershed Education Team conducted a thorough analysis and evaluation of education activities undertaken by the City. This analysis was intended to identify strengths and weaknesses in individual activities, analyze coverage, and identify areas for improvement and focused efforts. The results of this analysis will be applied to FY 06-07</p>	

FY 05-06 San José School Outreach

Program & Description	Contractor	Type of Program	Target Grade	Location	School Name	School Location	# events held	# students reached	Evaluation Included?
Bussing for Creek Program Bussing for San José students participating in Cupertino's 3 rd grade creek program	City of Cupertino	Teacher Training, Field Trip	3	See Cupertino data for details	See Cupertino Annual Report for details	San José	See Cupertino data	See Cupertino data	See Cupertino data
Youth Watershed Education Grant Grant program for the SJ/SC WPCP Tributary Area that focus on: supporting watershed projects for youth education; curriculum development; field trips; adoption and implementation of watershed-based curricula; teacher or youth leader-training.	None	Other	K-12	various	12 grants to 7 schools and 5 non-formal education groups	multiple locations	12	8,400 (est.)	yes
Wacky Watersheds Workshop Focus: hands-on training to explore the concepts of water use, wastewater treatment, pollution prevention and watershed protection	None (Partnered with RAFT)	Teacher Training	K-12	RAFT	Multiple schools	multiple locations	4	40 Teachers	yes
Water Awareness Program also known as Rangers in Schools. Classroom presentation + distribution of "It's Wet It's Wild It's Water!" curriculum. Presentations also done at selected community events.	San José Park Rangers	Presentation	5-7 th , but reached as young as 3 rd and as old as 6 th .	San José	multiple schools and community events	San José	9	548	Surveys given to teachers
Water Wizard Festival May 27, 2006. Water education festival for three hundred 3 rd grade classes. Purpose: to increase the awareness of the importance of water and promote stewardship of water as a resource. ESD taught 1 lesson at three booths (each booth taught 100 students) related to our mission concerning water and watershed issues. The messages taught were: Pollution Prevention (P2), Difference between Storm and Sanitary Sewer Systems (DSS), Value of Recycled Water (RW), Value of Treatment Plant (TP), and Importance of Soil and the Value of composting	Guadalupe River Park and Gardens, SCVWD, Alviso Environmental Education Center (EEC)	Presentation	3	Guadalupe River Park and Gardens	Williams Elementary Noble Elementary Jeanne Meadows Elementary	San José	1	300	yes
Slow the Flow In-class presentations, field trips, teacher training, and more. Students explore the concepts of water use, wastewater treatment, habitat protection using Zoology, Life Science, Integrated Science, Chemistry, Physical Science, Environmental Science, Biology, Engineering, and Marine Science.	Don Edwards SF Bay National Wildlife Refuge	Presentation, Field Trip, Teacher Training, Other	5-12 th	Alviso Environmental Education Center	see below	n/a	120 (not counting display visits)	10,871 students and adults	yes
Special Events		Field Trip, Presentation, Other		EEC	not tracked by individual school		4	1483	

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Program & Description	Contractor	Type of Program	Target Grade	Location	School Name	School Location	# events held	# students reached	Evaluation Included?
Interpretive Programs, aka weekend programs		Field Trip and/or classroom presentation at the EEC		EEC	not tracked by individual school		27	750	
Outreach Presentations		Presentation and program promotion at events		Various venues	not tracked by individual school		12	3071	
Interactive Display Visitors		Other		EEC	General audience and weekend visitors		37,500 (est)	10,000 (est)	
In Class Presentations, not necessarily delivered in schools.		Presentation		Multiple locations	San Jose Community Center, Los Gatos High, Alviso Public Library, West Valley Jr. College, Pearl Zanker Elementary, Ley Va Middle, NASA Ames, Clement Preschool & Kindergarten, Independence High, Bellarmine College Prep., Lincoln Plus High, Castlelmonite Elementary, Parkview School, Sheppard Middle, West Valley Christian, Franklin Elementary, Alviso Community Center, Anderson Village Elementary, Ruskin Elementary, Summerdale Elementary, Ben Painter Elementary, East San Jose Carnegie Library, Andrew Hill High, Orchard Middle, Piedmont Middle, John Muir Middle, Wilcox High, Slonaker Academy, Clyde Fischer Middle, and G.W. Hellyer Elementary.	Multiple locations	46	1283	
Special Events		Field Trip, Presentation, and Other		EEC	N/A		4	1483	
Interpretive Programs, aka weekend programs		Field Trip and/or classroom presentation at the EEC		EEC	not tracked by individual school		27	750	

Outreach Materials Distributed

BMP Issued by Watershed Enforcement Inspectors	Inspector^α	Web^β	Other^χ	Total
A Clear Look at Our Water	212	0	181	393
Auto Dismantlers Best Management Practices	36	0	0	36
Auto Dismantlers Best Management Practices (Spanish)	24	0	0	24
Auto Dismantlers Best Management Practices (Vietnamese)	9	0	0	9
Auto Facts: How to Dispose of Automotive Fluids Correctly	30	0	0	30
Best Management Practices for Educational Institutions	0	0	102	102
Best Management Practices for Hospitals and Health Care Facilities	1	0	0	1
Best Management Practices for Industrial Stormwater Pollution Control	19	0	0	19
Best Management Practices for Machine Shops	54	0	0	54
Best Management Practices for Printing and Photoprocessing Operations	9	785	0	794
Best Management Practices for the Construction Industry. Earth-Moving Activities	13	257	209	479
Best Management Practices for the Construction Industry. Fresh Concrete and Mortar Application	30	248	328	606
Best Management Practices for the Construction Industry. General Construction and Site Supervision	10	305	483	798
Best Management Practices for the Construction Industry. Heavy Equipment Operation.	10	216	242	468
Best Management Practices for the Construction Industry. Home Repair and Remodeling	18	396	250	664
Best Management Practices for the Construction Industry. Landscaping, Gardening, and Pool Maintenance.	19	308	762	1089
Best Management Practices for the Construction Industry. Painting and Application of Solvents and Adhesives	26	479	220	725
Best Management Practices for the Construction Industry. Roadwork and Paving	4	267	211	482
Blueprint for a Clean Bay	79	0	0	79
Clean Bay Blueprint	36	0	549	585
Clean It!	1	0	245	246
Construction and Demolition Diversion Depot (CDDD)	8	0	28	36
Cooling Towers Regulations, Pollution Prevention & Flow Reduction	0	0	6	6
Copper Plumbing and the Health of the Bay	0	969	25	994
Dewatering from Construction Sites and In-Ground Utilities Maintenance Projects	19	0	0	19
Do It Right (Spanish/English)	97	0	0	97
Do It Right (Vietnamese/English)	43	0	0	43
Does Your Facility Need To Be Covered By The General Permit?	0	403	115	518
Draining Pools and Spas	53	0	91	144
Endocrine Disrupting Compounds - WMI Information Sheet	0	435	0	435
Fat Free Sewer	71	0	0	71

^α Outreach Materials Distributed by Inspectors (in accordance with IND 6.a.)

^β Outreach Materials Distributed via website visit or download

^χ Outreach Materials distributed at events, permanent displays, trainings, and other City activities

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BMP Issued by Watershed Enforcement Inspectors	Inspector^a	Web^b	Other^c	Total
Get Rid of your Household Hazardous Waste for Free!	0	0	175	175
Get to the Root of the Problem!	1	0	0	1
Good Cleaning Practices Folder	706	0	22	728
Good Cleaning Practices To Protect Our Creeks And Bay (Chinese)	60	0	0	60
Good Cleaning Practices To Protect Our Creeks And Bay (English)	272	0	1	273
Good Cleaning Practices To Protect Our Creeks And Bay (Korean)	32	0	0	32
Good Cleaning Practices To Protect Our Creeks And Bay (Spanish)	334	0	0	334
Good Cleaning Practices To Protect Our Creeks And Bay (Vietnamese)	188	0	0	188
Good Plumbing Practices Protect San Francisco Bay: A fact Sheet for installers/ plumbers	0	489	204	693
Grease Management - Grease Interceptor Maintenance	337	0	17	354
Grease Management - Grease Trap Maintenance	483	0	17	500
Grease Management - Limitations on the use of Chemicals, Enzymes and Bacteria for grease removal	259	0	17	276
Grease Management - Maintenance Documentation	608	0	17	625
Grease Management - Power-Operated Grease Removal Devices	93	0	7	100
Grease Management - Vapor/Ventilation Hood Cleaning	558	0	7	565
Grease Management: Grease Log	129	0	0	129
Grease Management: Managing Fats, Oils and Grease Poster	622	0	91	713
Grow-It!	0	0	800	800
Guidelines for Vehicle Service Facilities, Body Work	44	0	0	44
Guidelines for Vehicle Service Facilities, Body Work (Spanish)	30	0	0	30
Guidelines for Vehicle Service Facilities, Body Work (Vietnamese)	16	0	0	16
Guidelines for Vehicle Service Facilities, Changing Oil and Other Fluids	55	0	0	55
Guidelines for Vehicle Service Facilities, Engine & Parts Cleaning & Radiator Flushing	32	0	0	32
Guidelines for Vehicle Service Facilities, Keeping a Clean Shop	106	0	0	106
Guidelines for Vehicle Service Facilities, Tips for Managers of Vehicle Service Facilities	36	0	0	36
Guidelines for Vehicle Service Facilities, Washing Cars and Other Vehicles	57	0	0	57
Guidelines for Vehicle Service Facilities, Washing Cars and Other Vehicles (Spanish)	32	0	0	32
Guidelines for Vehicle Service Facilities, Washing Cars and Other Vehicles (Vietnamese)	10	0	0	10
Hazardous Waste Disposal Program for Small Businesses in Santa Clara County	19	0	25	44
Help Prevent Illegal Dumping	9	0	1	10
Home Maintenance Tips for a Cleaner Bay	202	0	48	250
IC/ID Card for Concrete Work	31	0	0	31
IC/ID Card for Engine Degreasing	42	0	0	42
IC/ID Card for General Dumping Into Storm Drain	311	0	1	312
IC/ID Card for Grey Water	300	0	46	346
IC/ID Card for Landscape Maintenance	42	0	0	42
IC/ID Card for Overwatering	11	0	0	11

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BMP Issued by Watershed Enforcement Inspectors	Inspector^a	Web^b	Other^c	Total
IC/ID Card for Painting	57	0	0	57
IC/ID Card for Residential Car Washing	48	0	0	48
IC/ID Card for Saw Cut Slurry	23	0	59	82
IC/ID Card for Sediments	46	0	0	46
IC/ID Card for Storing Landscape Materials	31	0	0	31
IC/ID Card for Vehicle Fluids	330	0	0	330
Is Your Roof Runoff Polluted?	0	0	119	119
Keep Your Shop in Tune and Protect the Bay	7	0	0	7
Keeping It All In Tune	32	0	15	47
Keeping It All In Tune (Span)	12	0	0	12
Landscaping while protecting our creeks and Bay	30	461	0	491
Make a Difference: Be a Green Business	0	0	25	25
Mobile Cleaner Best Management Practices CETA	140	0	3	143
National Rivers Clean-up Day Flier-Map	0	0	100	100
Neon Colored Pencil	0	0	60	60
No Dumping Flows to Bay Stencil	134	0	20	154
No Dumping Flows to Bay Stencil (Spanish)	65	0	0	65
No Dumping Flows to Bay Stencil (Vietnamese)	19	0	0	19
OWOW Cockroaches	0	0	25	25
OWOW Controlling Ants In Your House	0	0	25	25
OWOW Controlling Ants In Your House (Spanish)	0	0	25	25
OWOW Controlling Aphids In Your Garden	0	0	25	25
OWOW Keeping Fleas Off Your Pets and Out of Your Yard	0	0	790	290
OWOW Keeping Fleas Off Your Pets and Out of Your Yard (Spanish)	0	0	240	40
OWOW Safe Use and Disposal of Pesticides	1	0	25	26
OWOW Safe Use and Disposal of Pesticides (Spanish)	0	0	25	25
OWOW Tips For A Healthy Beautiful Lawn	0	0	25	25
OWOW Wonderful Roses!	0	0	25	25
Paint--Safe Use and Disposal	3	0	0	3
Pens: 6-message	0	0	317	317
Pick Up San Jose (All Star Stan)	0	0	25	25
Please don't feed the wildlife "stickers"	0	0	112	112
Pollution From Surface Cleaning	85	0	3	88
Pollution Prevention Tips for Carpet Cleaners	25	0	0	25
Post-It Note Pad	2	0	0	2
Preventing Corrosion Protects San Francisco Bay: A Fact Sheet for Designers (copper pipes)	0	1138	0	1138
Preventing Storm Drain Pollution	1417	2210	200	3827

BMP Issued by Watershed Enforcement Inspectors	Inspector^a	Web^b	Other^c	Total
Preventing Storm Drain Pollution (Spanish)	143	0	10	153
Preventing Storm Drain Pollution (Vietnamese)	88	0	10	98
Resource Sheet for Storm Drain Protection	15	0	0	15
Resources for Pollution Prevention and Water Conservation	8	0	0	8
Sanitary Sewers	7	0	0	7
Santa Clara County Household Hazardous Waste Program	12	0	0	12
Sawcut Slurry	4	0	0	4
Spill Response Sheet	14	0	0	14
Switching to Water-Based Solutions for Parts Cleaning	1	0	0	1
The Bay Begins at Your Front Door	623	0	96	719
The Bay Begins at Your Front Door (Spanish)	298	0	15	313
The Bay Begins at Your Front Door (Vietnamese)	130	0	15	145
Wastewater Paths	0	113	0	113
Website Minimize Household Hazardous Waste	0	402	0	402
Website: Cars and Water Pollution	0	2034	0	2034
Website: Certified Surface Cleaners	0	941	0	941
Website: Clean Creeks and Bays: How you can help	0	619	0	619
Website: Creekside Residents and Water Pollution	0	489	0	489
Website: Disposal of Automotive Fluids	0	1165	0	1165
Website: Garbage and Water Pollution	0	841	0	841
Website: Never Put These Down the Drain	0	821	0	821
Website: Hazardous Waste Disposal	0	854	0	854
Website: How to Minimize Water Pollution from Your Yard Due to PESTICIDES	0	385	0	385
Website: Pollution Prevention for Renters	0	2156	0	2156
Website: Pollution: It's not just industry	0	584	0	584
Website: Report an Environmental Crime	0	802	0	802
Website: Resources for Educators: South Bay Water Connections	0	992	0	992
Website: Resources for Educators: Teacher Training	0	1169	0	1169
Website: Roof Runoff Pollution	0	595	0	595
Website: Stormwater Discharge	0	1638	0	1638
Website: Stormwater FAQs	0	1879	0	1879
Website: Unwanted Chemicals? Here's what to do	0	418	0	418
Website: Water Awareness	0	1936	0	1936
Website: Water Pollution and Residents	0	1641	0	1641
Website: Water Pollution Prevention: Pool, Spa and Fountain Water	0	1845	0	1845
Website: Where Water Goes Outside Your Home	0	550	0	550
Website: Youth Watershed Education Grants	0	482	0	482

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BMP Issued by Watershed Enforcement Inspectors	Inspector^α	Web^β	Other^ζ	Total
We're Stenciling Curbs! (English)	0	0	20	20
We're Stenciling Curbs! (Spanish)	0	0	5	5
West Nile Virus	0	303	25	328
What Responsible Businesses Need to Know about Mercury and Universal Waste	0	0	25	25
What you don't know about Mercury and Universal Waste could be harmful to you	0	0	118	118
Where Does the Water Go?	6	0	0	6
Your Shop Can Make a Difference	11	0	0	11
Totals	10865	35020	8170	54055

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15. Permit Reapplication

15.A Permit Reapplication Preparation Self Evaluation Matrix

ITEM No.	ACTIVITY	COMPLIANCE DATE	FY 05-06 STATUS	RESPONSIBLE PARTY
PRP A.	Compile all changes to URMP as part of reapplication for next permit (C.2.b)	Done FY 04-05	Done FY 04-05.	ESD
PRP B.	Participate in permit development and negotiation processes.	Beginning 02/01/05	Done FY 05-06 and ongoing. San Jose staff have participated and will continue to participate in the MRP process through the Program, BASMAA, and individually as a City.	ESD

15.B Permit Reapplication Preparation Evaluation

The City's current NPDES permit was adopted in February 2001 for a five-year period. The permit was amended in October 2001 and July 2005, with both amendments relating to the New and Redevelopment stormwater treatment and hydromodification provision, also known as Provision C.3. The permit has been administratively extended since February 2006, pending the adoption of the Bay Area-wide Municipal Regional Permit.

In late 2005, the Water Board embarked on a multi-stakeholder process to craft an NPDES permit, called the Municipal Regional Permit (MRP) that would apply to all municipal stormwater dischargers in the Bay Area. In the past, NPDES permits were issued separately to Bay Area stormwater programs with staggered adoption dates, which often resulted in uneven and inequitable requirements.

City staff has dedicated numerous hours to participate in work groups convened to help develop performance standards for the Inspection and Outreach components of the new permit. Staff has also participated in the steering and stakeholder meetings convened by Water Board staff. City staff will continue to participate in the MRP process through the Program, BASMAA, and individually as a City. The Water Board is expected to adopt the MRP in 2007.

15.C Permit Reapplication Preparation Response to Water Board Comments

No comments received from Water Board on this Program Element.

15.D Permit Reapplication Preparation Summary Tables / Additional Information

No tables or additional information.

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Glossary

ABBREVIATION	DESCRIPTION
AHTG	Ad Hoc Task Group
ALP	Anti-Litter Program
AOC	Area of Concern
BACWA	Bay Area Clean Water Agencies
BAPPG	Bay Area Pollution Prevention Group
BASMAA	Bay Area Stormwater Management Agency Association
BMP	Best Management Practice
BOMA	Building Operators and Managers Association (Silicon Valley Chapter)
CAE	Department of Conventions, Arts & Entertainment
CAO	City Attorney Office
CEP	Clean Estuary Partnership
CEQA	California Environmental Quality Act
CETA	Cleaning Equipment Trade Association
CIP	Capital Improvement Program
CNAP	Copper & Nickel Action Plans
CON	Construction Inspection
Corp Yard	Corporation Yard
DEH	Santa Clara County Department of Environmental Health
DOT	Department of Transportation
DPR	Department of Pesticide Regulation
DTSC	Department of Toxic Substances Control
ECP	Erosion Control Plan
EE	Environmental Enforcement
EEC	Environmental Education Center at Don Edwards SF Bay Wildlife Refuge in Alviso
EEDMS	Environmental Enforcement Data Management System
EIR	Environmental Impact Report
ESD	Environmental Services Department
EVA	Emergency Vehicle Access
FOG	Fats, Oils, and Grease
GCASP	General Construction Activity Stormwater Permit
GCSAA	Golf Course Superintendents Association of America
GIASP	General Industrial Activities Stormwater Permit
GIS	Geographic Information System
GS	General Services Department
HHW	Household Hazardous Waste
HMP	Hydromodification Management Plan
ICID	Illicit Connection/Illegal Discharge
IMSPAR	Infrastructure Maintenance Division Storm Drain System Problem Area Report

ABBREVIATION	DESCRIPTION
IND	Industrial/Commercial Discharger Inspection Program
IPM	Integrated Pest Management
IWM	Integrated Waste Management
KAB	Keep America Beautiful
M	Mercury
Marcom	Marketing and Communications
MC	Municipal Compliance
MDN	Mercury Deposition Network
MEP	Maximum Extent Practicable
MOA	Memorandum of Agreement
MON	Monitoring
MRP	Municipal Regional Permit
MS4	Municipal Separate storm Sewer System
Muni Water	City of San José Municipal Water System
NRD	New and Redevelopment
NEPA	National Environmental Protection Act
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NPS	Non-point Source Pollution
O&M	Operation and Maintenance
OP pesticide	Organophosphate pesticide
OWOW	Our Water Our World
PCB	Polychlorinated Biphenyl
PBCE	Department of Planning, Building & Code Enforcement
PBCE-Bldg	Building Division of PBCE
PBCE-Planning	Planning Division of PBCE
PCO	Pest Control Operator
PIP	Public Information and Participation
PM	Pesticide Management
PRNS	Department of Parks, Recreation, and Neighborhood Services
Program	Santa Clara Valley Urban Runoff Pollution Prevention Program
PSR	Public Streets, Roads, and Highways
PW	Department of Public Works
PW-CFAS	City Facilities Architectural Services Division of PW
PW-ECS	Engineering and Construction Services Division of PW
PW-TDS	Transportation & Development Services of PW
RDA	Redevelopment Agency
RFQ	Requests for Quotation
RMP	San Francisco Bay Regional Monitoring Program
RPW	Rural Public Works
RTA	Rapid Trash Assessment
RWQCB	Regional Water Quality Control Board (Water Board)

ABBREVIATION	DESCRIPTION
SCBWMI	Santa Clara Basin Watershed Management Initiative
SCP	Stormwater Control Plan
SCVURPPP	Santa Clara Valley Urban Runoff Pollution Prevention Program
SDO	Storm Drains Operation and Maintenance
SFEI	San Francisco Estuary Institute
SIC	Standard Industrial Classification
SJPD	San José Police Department
SNI	Strong Neighborhood Initiative
SOP	Standard Operating Procedure
StormCon	The North American Surface Water Quality Conference and Exposition
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
TBD	To Be Determined
The City	The City of San José
TMDL	Total Maximum Daily Load
TRA	Trash
UR	Urban Runoff section of ESD
URMP	Urban Runoff Management Plan
URTA	Urban Rapid Trash Assessment
WE	Watershed Enforcement section of ESD
WEO	Watershed Education & Outreach
WMI	Watershed Management Initiative (see SCBWMI)
WMI-LUS	Watershed Management Initiative – Land Use Subgroup
WPCP	Water Pollution Control Plant
WUOM	Water Utilities Operations and Maintenance
WUPPP	Water Utility Pollution Prevention Program
YWET	Youth Watershed Education Team